

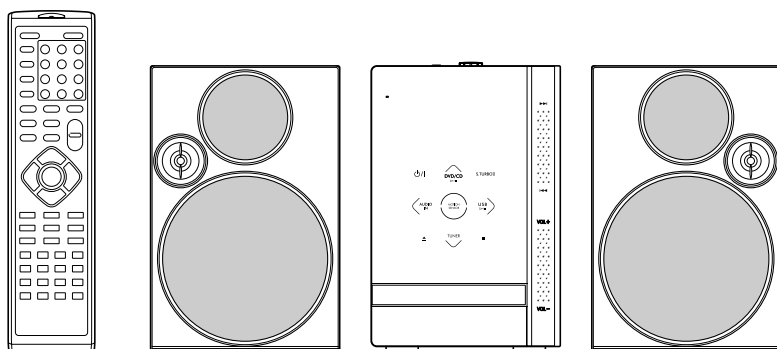
# JVC

English

## MICRO COMPONENT SYSTEM

# UX-GN7V

Consists of CA-UXGN7V and SP-UXGN9V



**MP3/WMA/WAV**

**MPEG-4**  
ASF PLAYBACK



***Digital Direct Progressive Scan***

## INSTRUCTIONS

# Warnings, cautions and others

## CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

## CAUTION

The  button in any position does not disconnect the mains line.

Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).

The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- When the system is on standby, the STANDBY lamp lights red.
- When the system is turned on, the STANDBY lamp goes off.  
The power can be remote controlled.

## CAUTION

- Do not block the ventilation openings or holes.  
(If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

## CAUTION

- Excessive sound pressure from earphones or headphones can cause hearing loss.

## IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover or cabinet. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN, DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT, NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO, NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視 及び/または不可視 のクラス1M レーザー放射が 出ます。 光学装置で直接 見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS 1 LASER RADIATION WHEN OPEN, DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

### CAUTION — Proper Ventilation

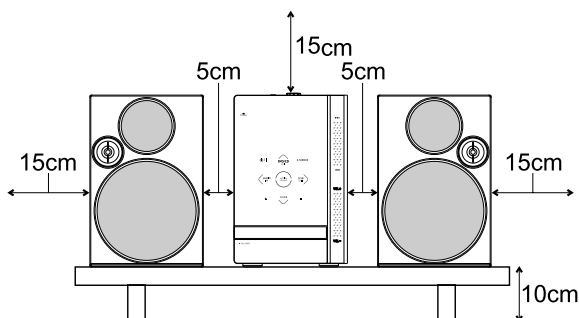
To avoid risk of electric shock and fire and to protect from damage, locate the apparatus as follows:

Top/Front/Back/Sides: No obstructions should be placed in the areas shown by the dimensions below.

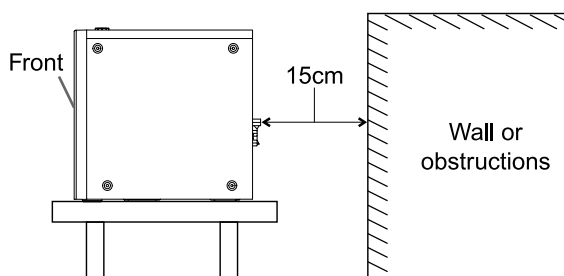
Bottom: Place on the level surface. Maintain adequate air path for ventilation by placing on a stand with a height of 10 cm more.

In addition, maintain the best possible air circulation.

#### Front view of the main unit and speakers (CA-UXGN7V and SP-UXGN9V)



#### Side view of the main unit (CA-UXGN7V)



### CAUTION

- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.



[European Union only]

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Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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#### How to read this manual

- This manual explains the operations assuming that you will use the remote control. Some buttons on the main unit are the same as those on the remote control. You can use either button in this case.
- Some diagrams in this manual are simplified or exaggerated for the purpose of explanation.
- You can operate some functions differently from the explanation given in this manual.
- Depending on the disc/file, you may not obtain the explained result even after following the operation in this manual.
- The following marks refer to the usable discs/files for the explained function.

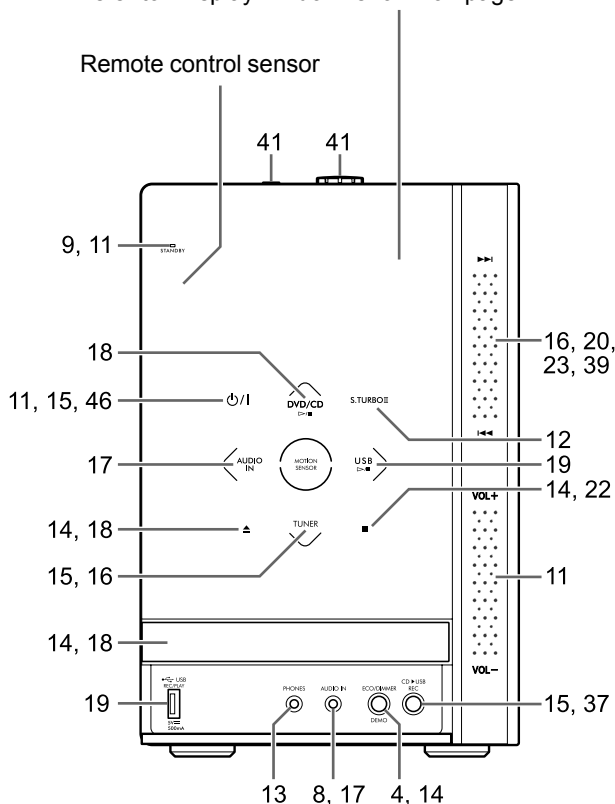


# Part description

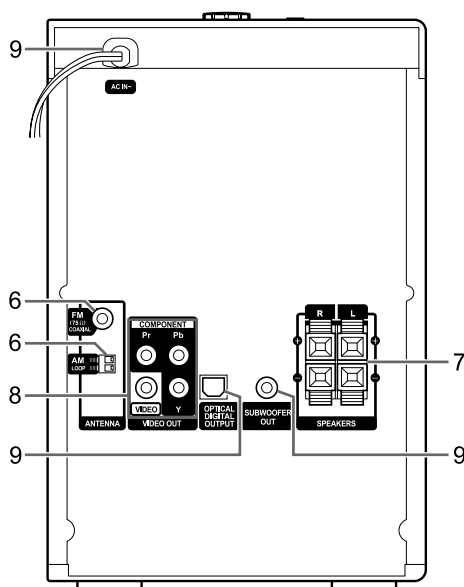
The numbers refer to the pages in which the parts are explained.

## Front view

Refer to "Display window" shown on page 4.



## Rear view



### ■ Activating the buttons on the main unit

Before using the buttons on the main unit, place your hand over the front of the main unit. The buttons, controls and indicators gradually start illuminating.

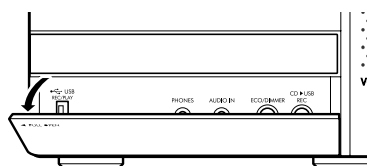
### ■ Using the ►►/◄◄ and [VOL +/-] controls

To operate the ►►/◄◄ control on the right front of the main unit, vertically slide your finger on the area between ►► and ◄◄.

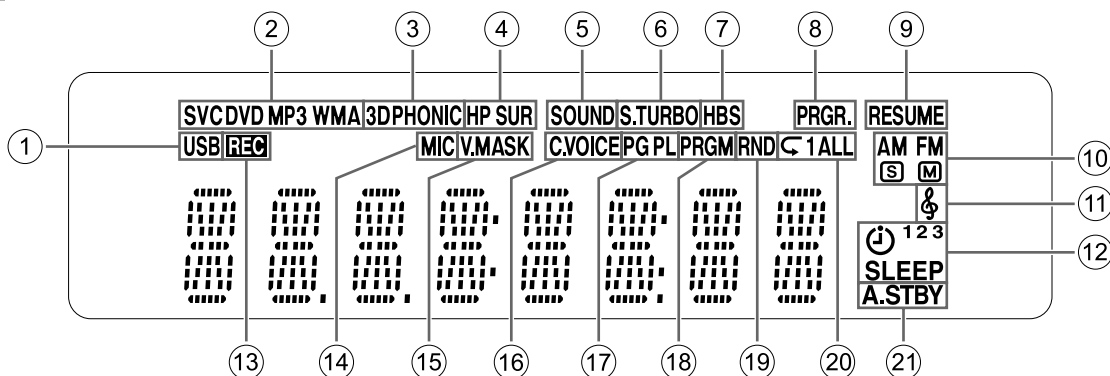
Similarly, to operate the [VOL +/-] control, slide your finger on the area between [VOL +] and [VOL -].

### ■ Opening the front cover

To use the buttons and terminals concealed under the front cover, use your finger to pull open the part indicated with [◄ PULL OPEN].



## Display window



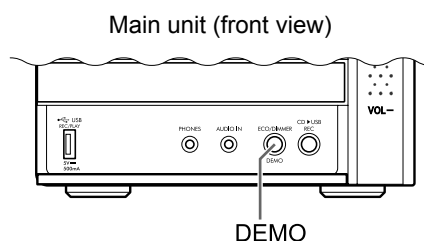
- ① The "USB" indicator lights up when a USB device is selected as the source.
- ② Disc format indicators
  - The "SVCD" indicator lights up when playing back an SVCD.
  - The "VCD" indicator lights up when playing back a VCD.
  - The "CD" indicator lights up when playing back a CD.
  - The "DVD" indicator lights up when playing back a DVD.
- ③ The "3DPHONIC" indicator lights up when the 3D PHONIC function is activated.
- ④ The "HP SUR" indicator lights up when the headphone surround function is activated.
- ⑤ The "SOUND" indicator lights up when the sound mode function is activated.
- ⑥ The "S.TURBO" indicator lights up when the Sound Turbo II function is activated.
- ⑦ The "HBS" indicator lights up when the HBS function is activated.
- ⑧ The "PRGR." indicator lights up when the progressive video signal type is selected.
- ⑨ The "RESUME" indicator lights up when the position where playback has been stopped is stored.
- ⑩ Radio indicators
  - The "AM" indicator lights up when an AM broadcast is received.
  - The "FM" indicator lights up when an FM broadcast is received.
  - The indicator lights up when an FM stereo broadcast is received with sufficient signal intensity.
- The indicator lights up when an FM broadcast is received in monaural.
- ⑪ The indicator lights up when the my sound function is activated.
- ⑫ Timer indicators
  - The indicator lights up when the playback timer is ready or being set, and flashes when the playback timer is working.
  - The "1", "2" or "3" indicator lights up when the playback timer is ready or working, and flashes when the playback timer is being set.
  - The "SLEEP" indicator lights up when the sleep timer is activated.
- ⑬ The "REC" indicator lights up when recording starts.
- ⑭ The "MIC" indicator lights up when the microphone mixing function is activated.
- ⑮ The "V.MASK" indicator lights up when the vocal masking function is activated.
- ⑯ The "C.VOICE" indicator lights up when the clear voice function is activated.
- ⑰ The "PG" or "PL" indicator lights up when an original program or play list is selected.
- ⑱ The "PRGM" indicator lights up when the program playback function is activated.
- ⑲ The "RND" indicator lights up when the random playback function is activated.
- ⑳ The "C", "C 1" or "C ALL" indicator lights up when the repeat playback function is activated.
- ㉑ The "A.STBY" indicator lights up when the auto standby function is ready, and flashes when the auto standby function is working.

## Disabling the demonstration display

When you connect the power cable into the AC outlet, the demonstration display automatically starts in the display window. Before using this system, turn off the demonstration display.

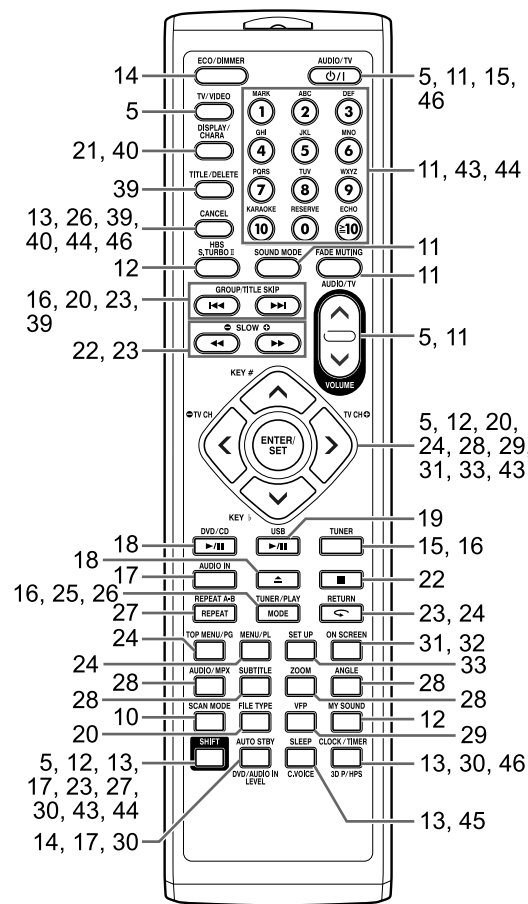
■ When the main unit is turned off

**Hold down [DEMO] on the main unit until "DEMO CLR" appears.**



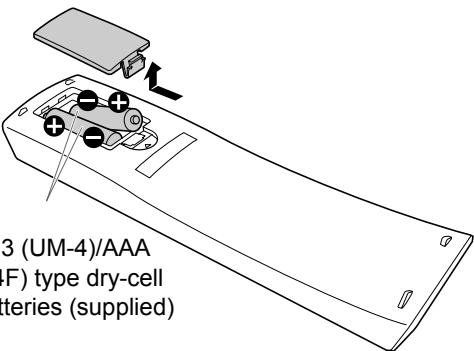
# Using the remote control

The numbers refer to the pages in which the parts are explained.



## Inserting the batteries into the remote control

Insert the batteries into the remote control by matching the polarity (+ and -) correctly.



R03 (UM-4)/AAA  
(24F) type dry-cell  
batteries (supplied)

- If the range or effectiveness of the remote control decreases, replace both batteries.

## Operating the system from the remote control

Point the remote control directly at the front of the main unit.

- Do not block the remote control sensor on the main unit.

## Operating a TV manufactured by JVC using the remote control

You can use the remote control of this system to operate a TV manufactured by JVC.

Remote control button	Usage
[AUDIO/TV $\phi$ /I] + [SHIFT]*	Turns on/off the TV.
[TV/VIDEO]	Changes between the TV and video input.
[- TV CH]/[TV CH+] + [SHIFT]*	Changes channels.
[VOLUME $\wedge$ ]/ [VOLUME $\vee$ ] + [SHIFT]*	Adjusts volume.

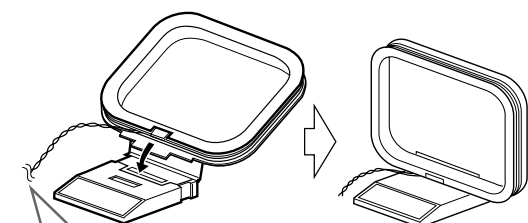
\* Make sure to hold down [SHIFT] when you press the desired function button.



## Connecting the antennas

### AM loop antenna (supplied)

#### Setting up the AM loop antenna



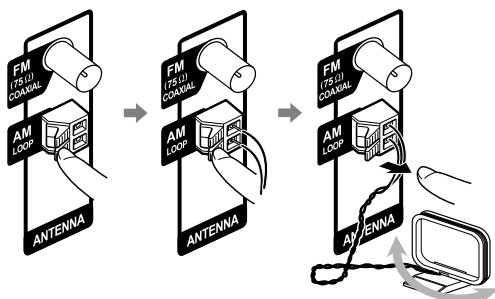
If insulation covers the tips of the antenna cable, twist and pull off the insulation.

#### NOTE

- Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.

#### Connecting the AM loop antenna

Main unit (rear view)



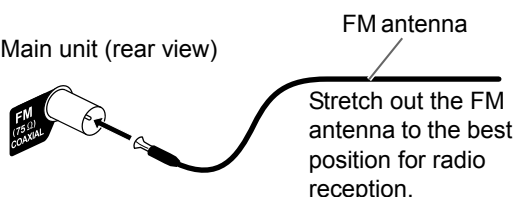
Turn the AM loop antenna to find the best position for radio reception.

#### NOTE

- Make sure that the antenna conductors do not touch any other terminals. This could cause poor reception.

### FM antenna (supplied)

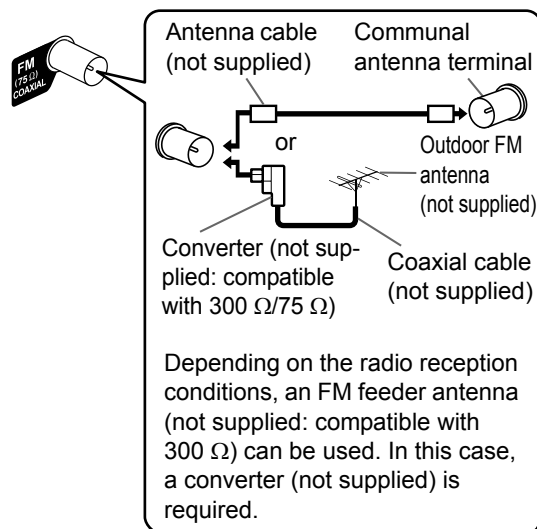
Main unit (rear view)



Stretch out the FM antenna to the best position for radio reception.

**When radio reception with the supplied FM antenna is poor, or when using a communal antenna**

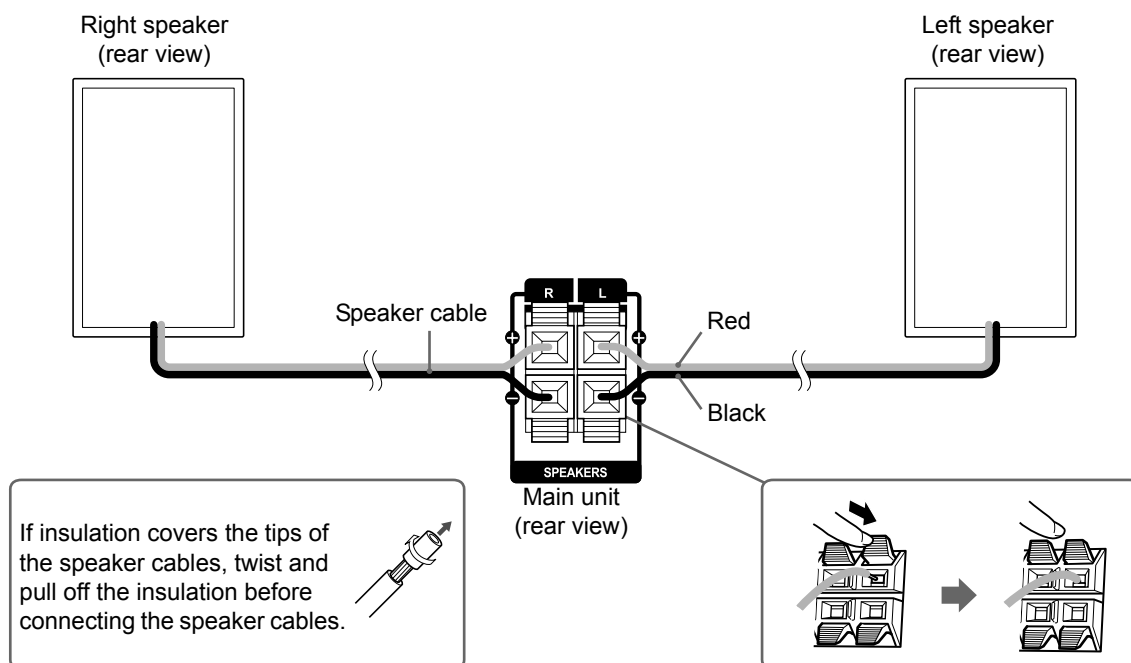
Main unit (rear view)



- When using an antenna other than those supplied with this system, refer to the operation manuals for the antenna and converter for details of connection.
- When positioning the antennas, find the best position for reception while listening to an actual radio program (refer to "Listening to radio broadcasts" on page 15).
- You cannot receive a radio broadcast without the antenna connection.

## Connecting the speakers

Connect the speakers to the main unit by connecting the colored cables to the same color terminals on the rear of the main unit.



### ■ IMPORTANT

- Improper speaker cable connection reduces the stereo effect and sound quality.
- The supplied speakers are magnetically shielded, but color irregularity may occur on the TV depending on some conditions. To prevent color irregularity, set up the speakers following the instructions below.
  1. Turn off the main power of the TV before setting up the speakers.
  2. Place the speakers enough distance from the TV so that they do not cause color irregularity on the TV.
  3. Wait for approximately 30 minutes before turning on the main power of the TV again.

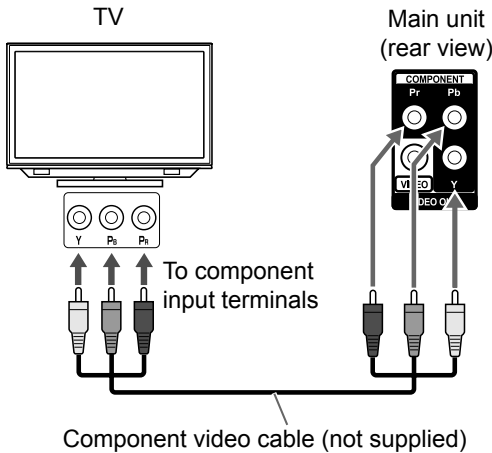
### CAUTION

- The supplied speakers are manufactured exclusively for use with the supplied main unit as parts of this system. Do not connect the supplied speakers to devices other than the supplied main unit. Doing so may damage the speakers.
- Do not connect external speakers together with the supplied speakers. The change in impedance may damage the main unit and the speakers.

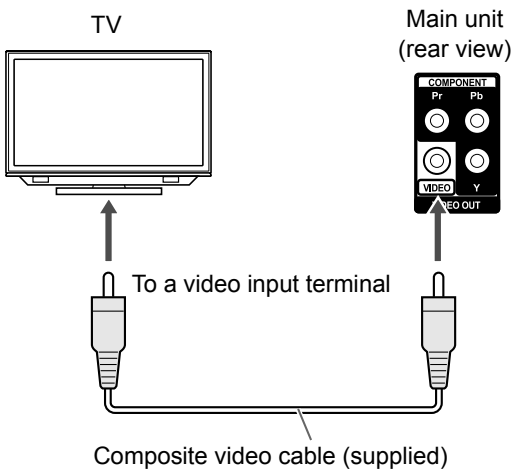
## Connecting a TV

After connecting a TV, follow the instructions on page 10.

### Connecting a TV with the [COMPONENT] terminals

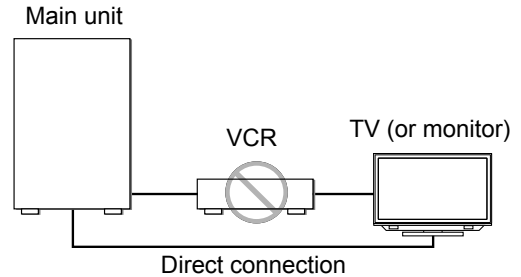


### Connecting a TV with the [VIDEO] terminal



### ■ IMPORTANT

- Connect the main unit directly to a TV (or a monitor) without routing through a video cassette recorder (VCR). Otherwise picture distortion may occur during playback. (Routing the connection through a VCR, however, does not affect the audio quality.)

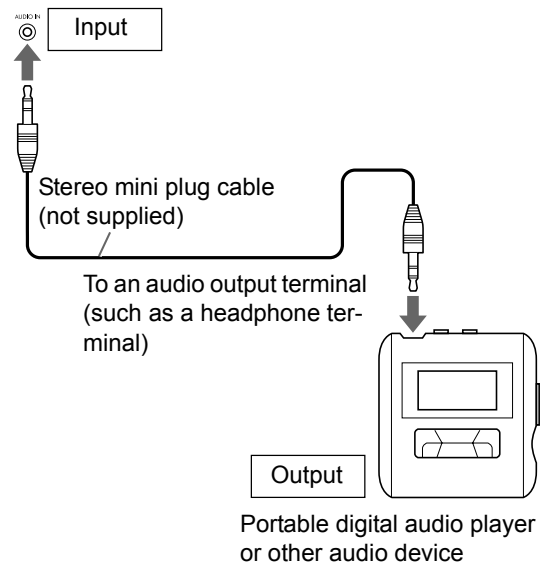


- Connecting the main unit to a VCR-built-in-TV may also cause picture distortion during playback.

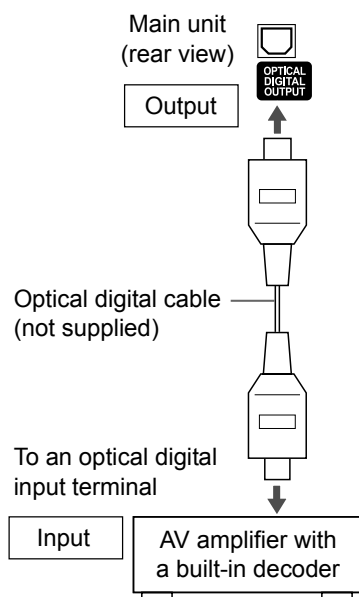
## Connecting a portable digital audio player

You can listen to analog sound from a connected portable digital audio player.

Main unit (front view)



## Connecting an external digital audio device



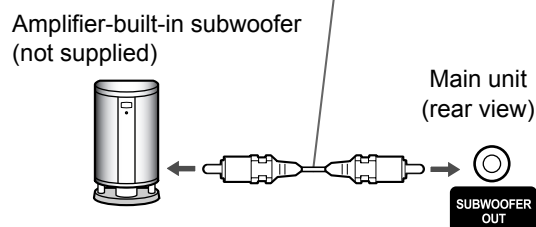
### NOTE

- Before connecting or disconnecting an external device, press [VOLUME ▼] repeatedly to set the volume of this system to the minimum. You can also use the [VOL -] control on the main unit.
- Select the appropriate setting for "DIGITAL AUDIO OUTPUT" according to the connected device. Refer to page 35.
- You can output the audio signal from the [OPTICAL DIGITAL OUTPUT] terminal when "DVD/CD" is selected as the source in the display window.

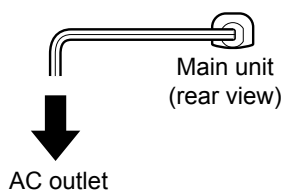
## Connecting a subwoofer

When you connect this system with an amplifier-built-in subwoofer (not supplied), you can enjoy a more dynamic bass sound. Refer to the manual of the subwoofer for details.

Audio cable (not supplied)  
(Use the audio cable supplied with the amplifier-built-in subwoofer or a commercially available cable.)



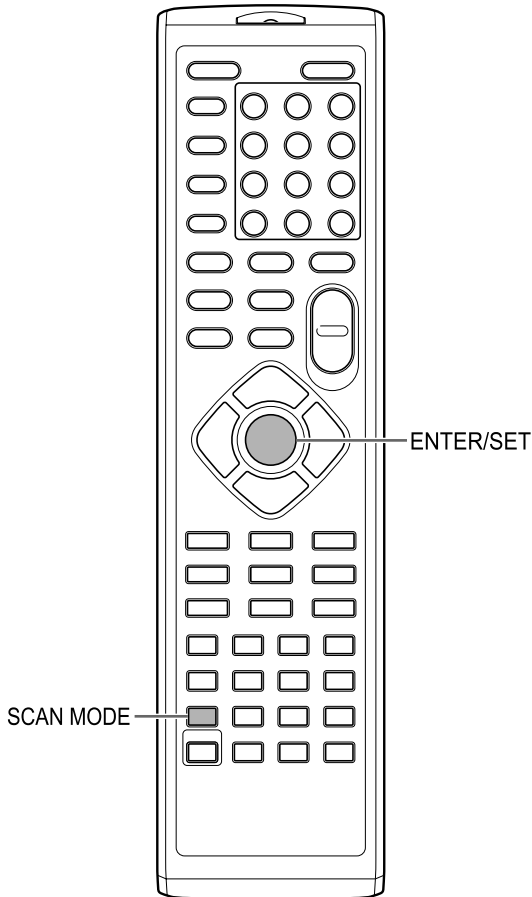
## Connecting the power cable



- Connect the power cable after you complete the other connections.
- The [STANDBY] lamp on the main unit lights up.

## Selecting the video signal type

To view an image on the TV screen, select the video signal type correctly according to the TV after connecting the main unit to the TV.



### 1 Turn on the main unit.

- Refer to "Turning on/off the main unit" on page 11.

### 2 Press [SCAN MODE] repeatedly to select the video signal type suitable for the TV.

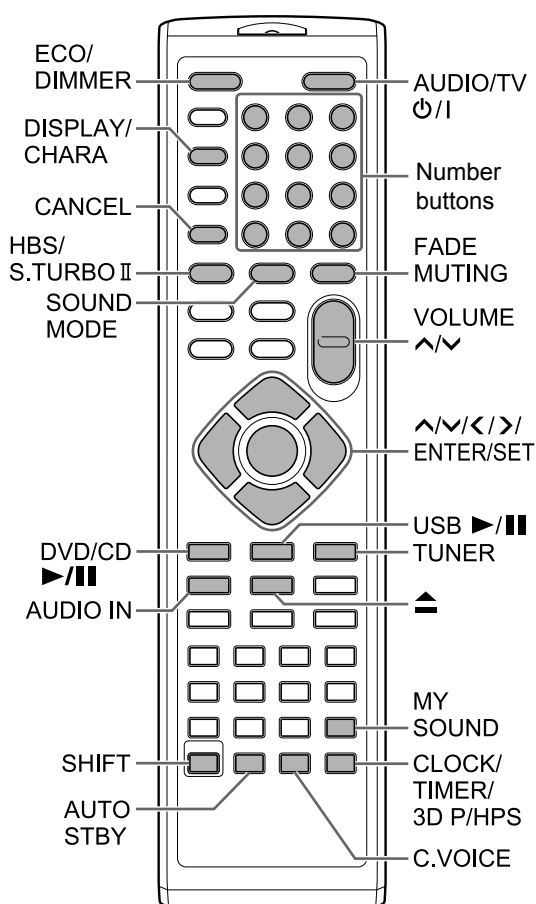
- Select "PAL" for a TV only compatible with a PAL interlaced video signal.
- Select "PAL PRG" for a TV equipped with a component terminal and compatible with a PAL progressive video signal.
- Select "NTSC" for a TV only compatible with an NTSC interlaced video signal.
- Select "NTSC PRG" for a TV equipped with a component terminal and compatible with an NTSC progressive video signal.

#### NOTE

- When "PAL PRG" or "NTSC PRG" is selected, the "PRGR." indicator lights up in the display window.

### 3 Press [ENTER/SET].

# Basic operations



## Using the number buttons

**Examples:**

**5:** [5]

**15:** [ $\geq 10$ ]  $\rightarrow$  [1]  $\rightarrow$  [5]

**150:** [ $\geq 10$ ]  $\rightarrow$  [ $\geq 10$ ]  $\rightarrow$  [1]  $\rightarrow$  [5]  $\rightarrow$  [0]

## Turning on/off the main unit

**Press [AUDIO/TV  $\odot/I$ ] (or  $\odot/I$  on the main unit).**

- The power of the main unit turns on and the [STANDBY] lamp on the main unit turns off.
- Press [AUDIO/TV  $\odot/I$ ] (or  $\odot/I$  on the main unit) again to turn off the power of the main unit. (The main unit enters the standby mode.)
- With the power off, pressing [DVD/CD  $\blacktriangleright/||$ ], [USB  $\blacktriangleright/||$ ], [TUNER], [AUDIO IN] or  $\blacktriangle$  also turns on the main unit.

The function assigned to the pressed button starts working at the same time.

## Adjusting the volume

**Press [VOLUME  $\wedge$ ] or [VOLUME  $\vee$ ] repeatedly.**

- You can also adjust the volume by using the [VOL +/-] control on the main unit.

## Turning off the sound temporarily

**Press [FADE MUTING].**

- Press [FADE MUTING] again to restore the sound.

## Selecting the sound mode

A combination of JVC sound technologies enables you to select the desired sound pattern. This function is called "sound mode".

**Press [SOUND MODE] repeatedly.**

- Each time you press [SOUND MODE], the display changes as follows.
  - "ROCK": For acoustic sound.
  - "POP": For vocal oriented music.
  - "CLASSIC": For classic music.
  - "JAZZ": For jazz music. \*
  - "REGGAE": For slow rhythm. \*
  - "SALSA": For salsa music. \*
  - "SAMBA": For samba music. \*
  - "FLAT": Cancels the sound mode.

\* Selecting these items provides a surround effect.

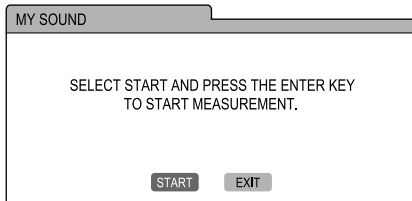
## Customizing the equalization pattern

Audible sound frequencies vary according to the individual. This function creates the appropriate equalization pattern according to your hearing preferences. This function is called "My Sound".

■ When a disc/file is stopped

### 1 Hold down [MY SOUND].

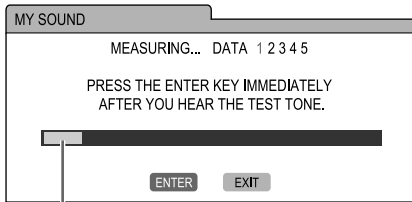
TV screen



### 2 Press [ENTER/SET].

- 5 test tones are emitted individually from the speakers.

TV screen



Signal level

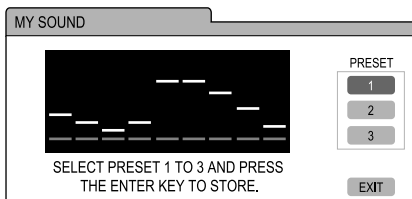
### 3 As soon as you hear the test tone, press [ENTER/SET].

- The measurements are stored.
- An appropriate equalization pattern is created and shown on the TV screen.

### 4 Press $\wedge$ or $\vee$ repeatedly to select the preset number from 1 to 3.

- The equalization pattern is stored. The preset number, which is assigned to the equalization pattern, turns green on the TV screen.

TV screen



- To measure again, press  $\wedge$  or  $\vee$  repeatedly to select "EXIT" on the TV screen, and then press [ENTER/SET]. You can store up to 3 equalization patterns.

### 5 Press [ENTER/SET].

#### NOTE

- You can cancel the setting by pressing [MY SOUND].

### Selecting the preset equalization pattern

#### Press [MY SOUND].

- Each time you press [MY SOUND], the preset equalization pattern changes.
- To deactivate the stored equalization pattern, select "OFF".

#### NOTE

- This function does not work for some files.

## Emphasizing both treble and bass

You can boost both high and low frequencies of the sound. This function is called "Sound Turbo II".

#### Press [S.TURBO II].

- Each time you press [S.TURBO II], the setting turns on and off.

#### NOTE

- While the Sound Turbo II function is activated, the HBS function is automatically activated.

## Emphasizing the bass

When the Sound Turbo II function is deactivated, you can boost only the low frequency. This function is called "HBS (hyper bass sound)".

#### Press [HBS] while holding down [SHIFT].

- Each time you press [HBS], the setting turns on and off.

#### NOTE

- Activating the Sound Turbo II function activates the HBS function. At this time, however, the "HBS" indicator does not light up.

## Sharpening the voice sound

This function allows you to easily understand dialog recorded on the disc/file even with the volume down low. This function is useful when you are watching a movie.

**Press [C.VOICE] while holding down [SHIFT].**

- Each time you press [C.VOICE], the setting turns on and off.

### NOTE

- “C.VOICE” refers to “clear voice”.

## Selecting the headphone surround mode

You can listen to surround sound via headphones connected to the [PHONES] terminal.

■ When headphones are connected to the [PHONES] terminal

**Press [3D P/HPS] while holding down [SHIFT].**

- Each time you press [3D P/HPS], the setting turns on and off.

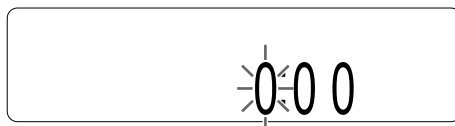
### NOTE

- The [PHONES] terminal is for connecting a pair of headphones equipped with a stereo mini plug (not supplied). When headphones are connected, no sound is output from the speakers.
- This function does not work for a JPEG, ASF, DivX, MPEG1 or MPEG2 file.
- “HPS” refers to “headphone surround”.

## Setting the clock

You can set the clock when the main unit is on or off.

- 1 Press [CLOCK/TIMER] repeatedly to select the clock in the display window.**



- 2 Press < or > to select the hour.**
- 3 Press [ENTER/SET].**
- 4 Press < or > to select the minute.**
- 5 Press [ENTER/SET].**

- The clock starts from 0 seconds in the minute you set.

### NOTE

- While setting the clock, you can return to the previous step by pressing [CANCEL] or you can stop the setting by pressing [CLOCK/TIMER].
- To adjust the clock, press [CLOCK/TIMER] repeatedly until the clock appears in the display window, and then press [ENTER/SET]. The following procedure is the same as steps 2 to 5.
- Press [DISPLAY/CHARA] to display the clock when using this system. (Refer to page 21.)
- The clock gains or loses approximately 1 minute per month.
- If the power cable of the main unit is disconnected from the AC outlet or the power is interrupted, the clock setting is lost. Set the clock again.



## Changing the brightness of the display window

■ When the main unit is turned on

**Press [ECO/DIMMER] repeatedly.**

- Each time you press [ECO/DIMMER], the setting changes to “DIM ON”, “AUTO DIM” or “DIM OFF” in the display window.
- When “AUTO DIM” is selected and no operation is performed for approximately 5 minutes, the display window automatically becomes darker than the normal display window.

## Turning off the display window

You can reduce the power consumption by turning off the display window when the main unit is off.

■ When the main unit is turned off

**Press [ECO/DIMMER] repeatedly.**

- Each time you press [ECO/DIMMER], the display changes as follows.
  - Selecting the normal display turns on the clock display and activates the buttons on the main unit.
  - Selecting “DISP OFF” turns off the clock display and activates the buttons on the main unit.
  - Selecting “ECO ON” turns off the clock display and deactivates the buttons on the main unit.

### NOTE

- You can use the remote control in any of the above cases.
- “ECO” refers to “ecology”.

## Auto standby function

If no sound is produced for 3 minutes, the main unit automatically turns off.

This function is available when a loaded disc or a connected USB device is selected as the source.

### Activating the auto standby function

■ When a loaded disc or a connected USB device is selected as the source

**Press [AUTO STBY].**

- The “A.STBY” lights up in the display window.
- Each time you press [AUTO STBY], the setting turns on and off.

### Performance of the auto standby function

When playback of a loaded disc or a connected USB device finishes, the auto standby function starts a countdown. At this time, the “A.STBY” indicator starts flashing.

When no operation is performed for 3 minutes, the main unit automatically turns off.

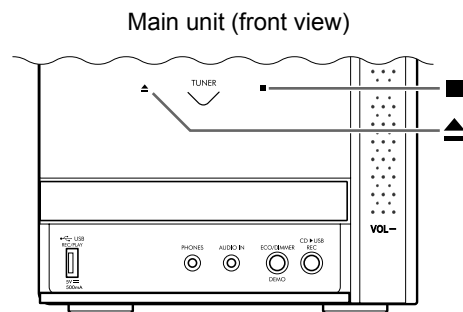
### NOTE

- When you change the source to a radio broadcast or device connected to the [AUDIO IN] terminal, this function temporarily deactivates.

## Locking disc ejection

You can lock the disc tray to prevent the disc from being ejected.

### Setting the disc ejection lock

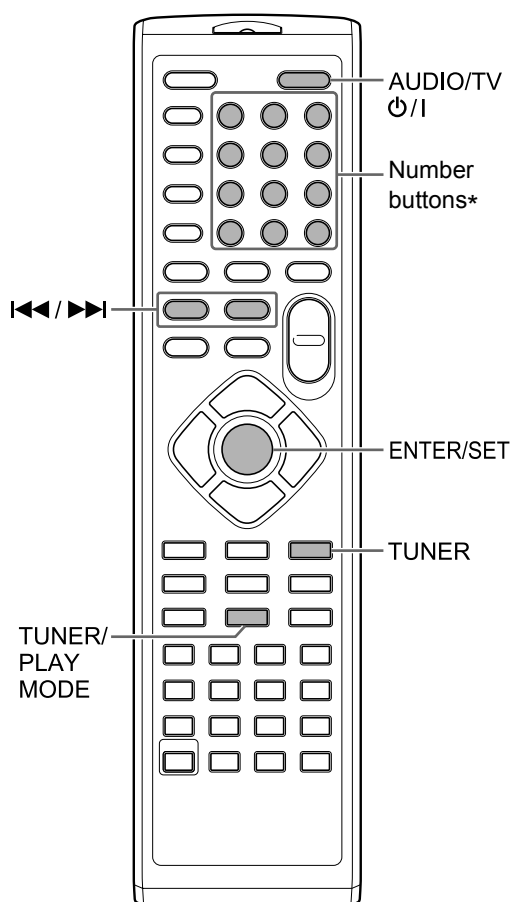


■ When the main unit is turned off

**Press ▲ on the main unit while holding down ■ on the main unit.**

- “LOCKED” appears in the display window.
- To cancel the disc ejection lock, press ▲ on the main unit while holding down ■ on the main unit again. “UNLOCKED” appears in the display window.

# Listening to radio broadcasts

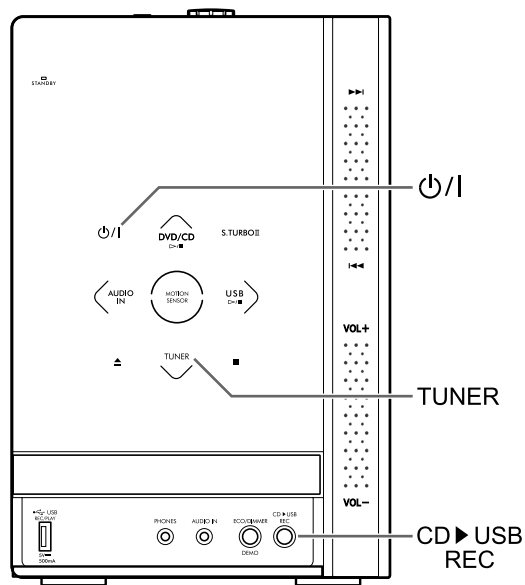


\* For the number button usage, refer to "Using the number buttons" on page 11.

## Setting the AM tuner spacing

AM stations are spaced 9 kHz apart in some countries and 10 kHz in other countries.

Main unit (front view)



- 1 Press [TUNER] repeatedly to select "TUNER AM" in the display window.
- 2 Press [AUDIO/TV  $\phi$ /I] (or  $\phi$ /I on the main unit) to turn off the power.
- 3 Hold down [CD  $\blacktriangleright$  USB REC] on the main unit.
  - Each time you hold down [CD  $\blacktriangleright$  USB REC], the setting toggles between "9K STEP" and "10K STEP" in the display window.

### NOTE

- When "ECO ON" is selected, you cannot operate this function. (Refer to page 14.)

## Selecting a radio station



### 1 Press [TUNER] to select “TUNER FM” or “TUNER AM” in the display window.

- Pressing [TUNER] selects a radio broadcast as the sound source.

### 2 Hold down ◀◀ or ▶▶.

- The radio frequency starts changing in the display window.
- When the main unit has received a broadcast, the frequency automatically stops changing.
- You can select a specific radio station while searching for a broadcast. Press ◀◀ or ▶▶ to stop the search when the desired frequency appears in the display window.

#### NOTE

- If an FM stereo broadcast is difficult to hear because of noise, you may be able to hear the broadcast more easily by pressing [TUNER/PLAY MODE] to switch the sound to monaural reception. In this case, the  (monaural) indicator lights up in the display window. To return the sound to stereo reception, press [TUNER/PLAY MODE] again. The  (stereo) indicator lights up in the display window.

## Tuning in to a preset radio station

Presetting radio stations in the main unit allows you to easily tune in to a radio station. You can store up to 30 FM radio stations and up to 15 AM radio station.

### Presetting radio stations

#### 1 Select a radio station you want to store.

- Refer to “Selecting a radio station” shown on the left.
- You can also preset selected stereo or monaural reception for an FM broadcast.

#### 2 Press [ENTER/SET].

- “SET” flashes in the display window for a few seconds.

#### 3 While “SET” is flashing, press the number buttons to select the preset number you want to assign.

#### 4 Press [ENTER/SET].

- “STORED” appears and the selected radio station is stored.

#### NOTE

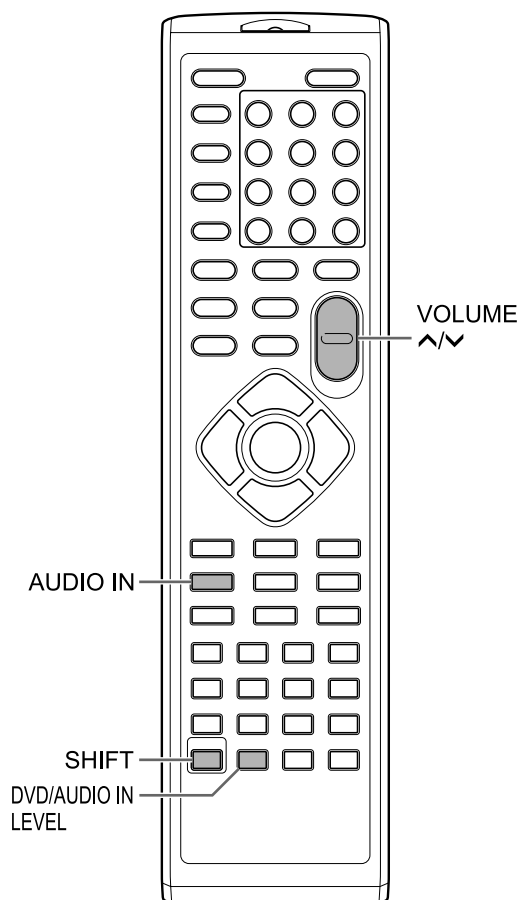
- When you store a radio station to a preset number to which another radio station has previously been stored, the newly set radio station replaces the previously stored radio station.
- When the power cable of the main unit is disconnected from the AC outlet or the power is interrupted, the preset radio station settings may be lost within a few days. If the setting is lost, set the preset radio station again.

### Tuning in to a preset radio station

- When an FM or AM radio broadcast is selected as the source

**Press the number buttons to select the preset number of the radio station to which you want to tune in.**

# Playing back sources from external devices



## Playing back sources from external devices

### 1 Press [AUDIO IN].

- “AUDIO IN” is selected as the source in the display window.

### 2 Start playback on the connected device.

### 3 Adjust the volume or the sound settings for your preference.

- Refer to page 11.

#### NOTE

- Before connecting or disconnecting an external device, press [VOLUME ▼] repeatedly to set the volume of this system to the minimum. You can also use the [VOL -] control on the main unit.

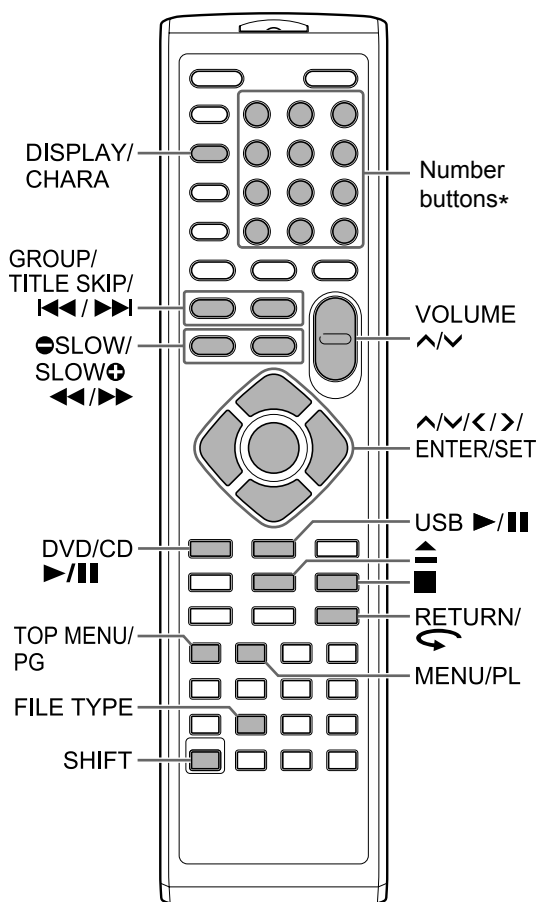
## Selecting the signal gain

You can select the gain of the signal from the [AUDIO IN] terminal.

### Press [DVD/AUDIO IN LEVEL] while holding down [SHIFT].

- Each time you press [DVD/AUDIO IN LEVEL], the signal gain setting toggles between “NORMAL” and “HIGH” in the display window.
- Select “NORMAL” for normal operation.

# Basic operations of disc/file playback



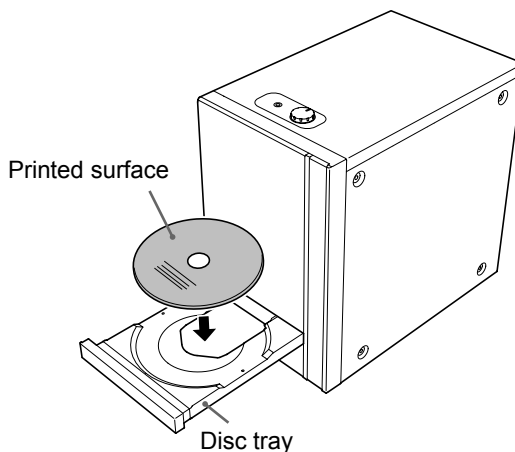
\* For the number button usage, refer to "Using the number buttons" on page 11.

## Playing back a disc



This part explains how to play back the types of discs shown above.

- 1 Press **▲** on the remote control or on the main unit.
  - The disc tray ejects.
- 2 Place a disc on the disc tray.



- To play back an 8-cm disc, place it on the inner hollow of the disc tray.

- 3 Press [DVD/CD ▶/||].

### NOTE

- A menu screen may appear on the TV screen after DVD playback starts. In such a case, operate the menu screen. (Refer to "Selecting a chapter/track from the menu screen" on page 24.)

## Playing back a file

MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

This part explains how to play back 1) files recorded on the loaded disc, and 2) files recorded on a USB mass storage class device (hereinafter referred to as “USB device”) connected to the main unit. The operations are explained with a display of MP3 files as an example.

### NOTE

- Also refer to “Notes on files recorded on a connected USB device” on page 51.
- When files of different types (audio/still picture/video) are recorded on a loaded disc or connected USB device, select the file type before playback. (Refer to “Selecting the file type” on page 20.)

### 1

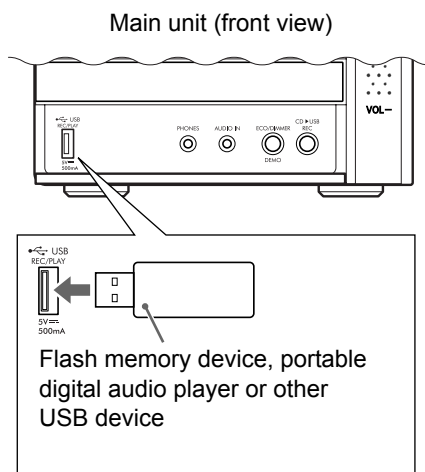
(To play back files on a disc)

#### Place a disc on the disc tray.

- Refer to steps 1 and 2 on page 18.

(To play back files on a USB device)

#### Connect the USB device.



### NOTE

- You cannot connect a computer to the [USB REC/PLAY] terminal of the system.
- You cannot connect a JVC Everio camcorder to the [USB REC/PLAY] terminal of the system.
- When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
- Before connecting or disconnecting a USB device, press [VOLUME ▼] repeatedly to set the volume of this system to the minimum. You can also use the [VOL -] control on the main unit.

### 2

(To play back files on a disc)

**Press [DVD/CD ►/II].**

(To play back files on a USB device)

**Press [USB ►/II].**

### 3

**Press ■ to stop playback.**

- The menu screen appears on the TV screen.

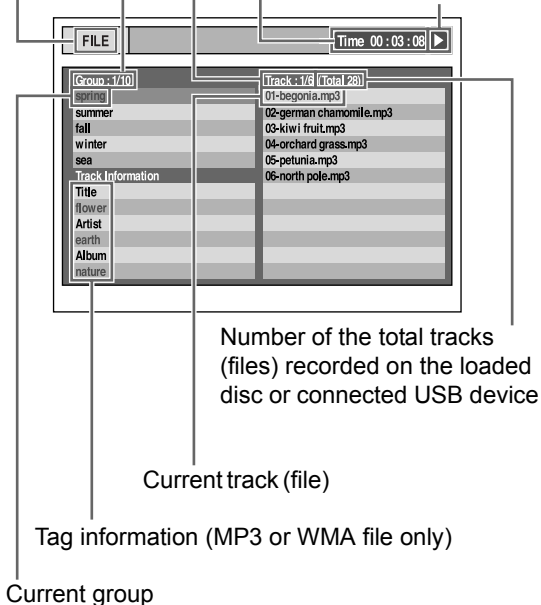
When a file recorded on the connected USB device is selected as the source, “USB” is displayed.

Numbers of the current group and total groups recorded on the loaded disc or connected USB device

Numbers of the current track (file) and total tracks (files) included in the current group

Elapsed playback time of the current track (MP3, WMA, WAV or ASF file only)

Playback status



## 4 Press **▲**, **▼**, **◀** or **▶** to select a group and track.

### NOTE

- You can also use the number buttons and **◀◀** or **▶▶** to select a track.
- For some discs/files, you can also select a group by pressing [GROUP/TITLE SKIP] while holding down [SHIFT] or use the number buttons.

## 5 Press **[DVD/CD ▶/■]** or **[USB ▶/■]**.









### NOTE

- To disconnect a USB device safely, turn off the main unit before disconnecting the USB device.

## Slide-show playback

- JPEG files are continuously played back beginning with the selected file.
- Display time for a file in slide-show playback is approximately 3 seconds.
- You can stop slide-show playback and view the current file by pressing **[DVD/CD ▶/■]** or **[USB ▶/■]** again.
- Press **[ENTER/SET]** to view only the selected file.

## Guide icons on the TV screen (on-screen guide)

	: Play
	: Pause
	: Fast reverse/fast forward search
	: Slow motion playback (reverse/forward directions)
	: Containing multi-audio languages (Refer to page 28.)
	: Containing multi-subtitle languages (Refer to page 28.)
	: Containing multi-view angles (Refer to page 28.)
	: The disc/file cannot accept the operation you have attempted.

## Selecting the file type



When files of different types are recorded on a loaded disc or connected USB device, select the file type before playback.

### Press **[FILE TYPE]** repeatedly.

- Each time you press **[FILE TYPE]**, the selected source changes to an audio file, still picture file or video file.

### NOTE

- You can also use the menu bar to select the file type. Refer to page 34.

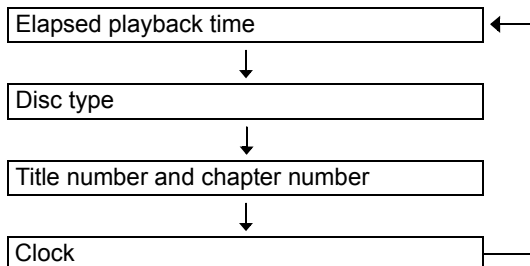
## Checking the current status in the display window



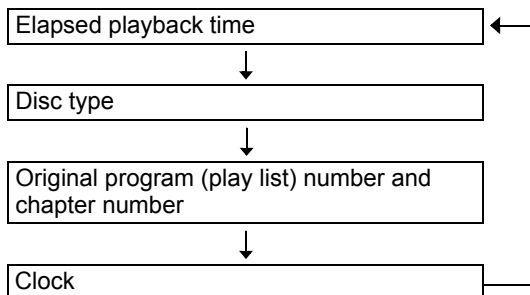
Press [DISPLAY/CHARA] repeatedly during playback.

- Each time you press [DISPLAY/CHARA], the display changes.

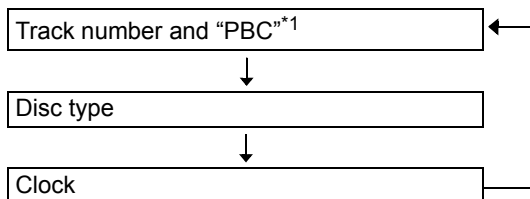
### ■ When a DVD VIDEO is played back



### ■ When a DVD VR is played back

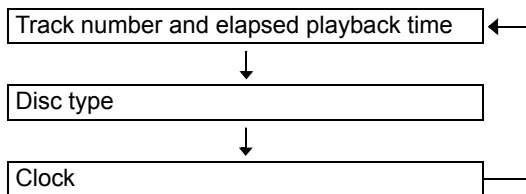


### ■ When a VCD or SVCD is played back

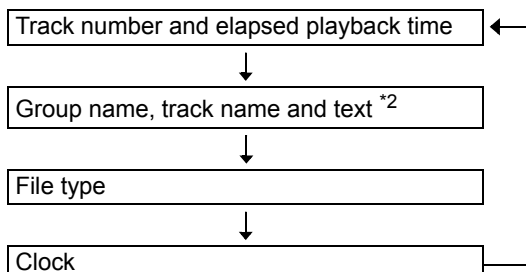


\*1 "PBC" refers to "playback control". When the PBC function is canceled, the "PBC" display disappears and the elapsed playback time appears. (Refer to page 24.)

### ■ When a CD is played back

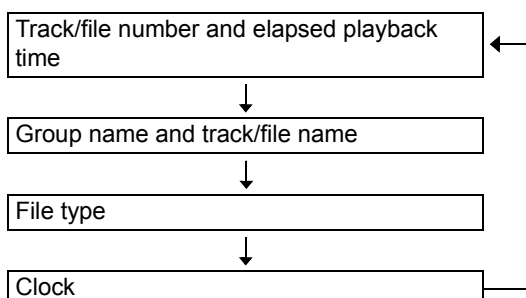


### ■ When an MP3 or WMA file is played back



\*2 When text, such as a tag information, has been recorded in the MP3 or WMA file, the text appears and scrolls in the display window.

### ■ When a WAV, ASF, DivX, MPEG1, MPEG2 or JPEG file is played back





## Stopping playback



■ When a disc/file is played back

Press ■.

## Resuming playback



When playback is stopped in the middle, playback can be started from the stopped position.

### Temporarily stopping playback

■ When a disc/file is played back

Press ■ once.

- Playback stops, the “RESUME” indicator lights up in the display window, and the position where playback has been stopped is stored.
- If ■ is pressed twice, the stopped position is cleared.

### Starting playback from the stored position

■ When a disc/file is stopped in the middle

Press [DVD/CD ►/■] or [USB ►/■].

#### NOTE

- You can deactivate the resume playback function. (Refer to “RESUME” on page 35.)

## Pausing playback



■ When a disc/file is played back

Press [DVD/CD ►/■] or [USB ►/■].

- To return to normal playback, press [DVD/CD ►/■] or [USB ►/■] again.

## Fast reverse/fast forward search



■ When a disc/file is played back

Press ◀◀ or ▶▶.

- Each time you press ◀◀ or ▶▶, the speed increases.
- To restore the normal speed, press [DVD/CD ►/■] or [USB ►/■].

#### NOTE

- For some discs/files, sound is intermittent or no sound is produced during fast reverse/fast forward search.
- The selectable speeds and displays vary by the disc/file type.

## Playing back from a position 10 seconds before



■ When a disc is played back

Press **◀**.

### NOTE

- You cannot go back to the previous title and original program (play list).

## Slow motion playback



■ When a disc is paused

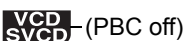
Press [**⊖ SLOW**] or [**SLOW ⊕**].

- Each time you press [**⊖ SLOW**] or [**SLOW ⊕**], the speed increases.
- To return to normal playback, press [DVD/CD ▶/⏮].

### NOTE

- No sound is produced.
- For a DVD VR, slow motion playback can be used in the forward direction only.

## Skipping to the beginning of a title/group



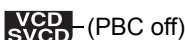
■ When a disc/file is played back

Press [**GROUP/TITLE SKIP**] while holding down [**SHIFT**].

### NOTE

- To cancel the PBC function for a VCD or SVCD, refer to page 24.

## Skipping to the beginning of a chapter/track/file



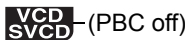
■ When a disc/file is played back

Press **◀◀** or **▶▶** repeatedly.

### NOTE

- To cancel the PBC function for a VCD or SVCD, refer to page 24.

## Selecting a chapter/track using the number buttons



■ When a disc/file is played back

Use the number buttons to select the chapter number or track number.

### NOTE

- To cancel the PBC function for a VCD or SVCD, refer to page 24.

## Skipping forward/backward at 30 second or 5 minute intervals



You can skip within a file at 30 second or 5 minute intervals.

■ When a disc/file is played back

Press **<** or **>**.

- Each time you press **<** or **>**, the playback position skips to the beginning of the previous or next interval.
- The length of the interval differs depending on the file.

## Selecting a chapter/track from the menu screen



■ When a disc is stopped or played back

- 1 Press [TOP MENU/PG] or [MENU/PL].
  - The menu screen is displayed.
- 2 Press **^**, **v**, **<** or **>** to select the selection menu for chapters.
- 3 Press [ENTER/SET].
- 4 Press **^**, **v**, **<** or **>** to select the desired chapter.
- 5 Press [ENTER/SET].



■ When the PBC function is activated and the menu screen is displayed

### Press number buttons to select the desired item.

- Playback of the selected item starts.
- You can skip pages by pressing **◀◀** or **▶▶** repeatedly.
- To display the menu screen again, press [RETURN] repeatedly while holding down [SHIFT].

#### NOTE

- You can deactivate the PBC function. Press **■**, and then use number buttons to specify the track number. Playback of the selected track starts.
- To reactivate the PBC function, press **■**, and then press [DVD/CD ▶/■]. (When the resuming playback function is activated, press **■** twice before pressing [DVD/CD ▶/■].)



■ When a disc is stopped or played back

- 1 Press [TOP MENU/PG] to display the original program or press [MENU/PL] to display the play list.

#### Original program

ORIGINAL PROGRAM				
No	Date	Ch	Time	Title
1	03/12/09	L 1	12:15	La fleur
2	09/12/09	L 1	23:05	The last struggle
3	18/12/09	L 1	08:17	free flyer
4	20/12/09	L 1	07:47	BOOM!
5	25/12/09	L 1	19:38	Mr. Lawrence
6	28/12/09	L 1	14:20	Satisfy U

Title name  
 Starting time for the title recording  
 Channel information  
 Recording date

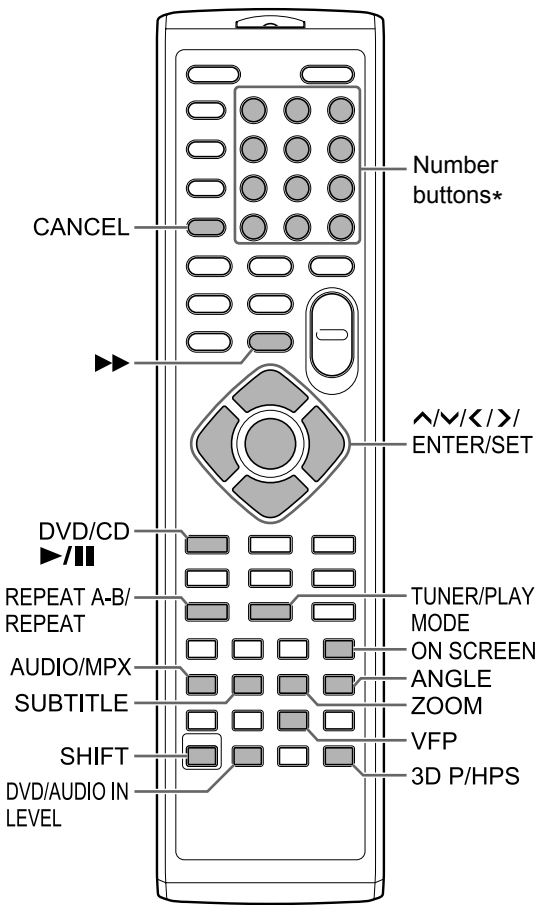
#### Play list

PLAY LIST				
No	Date	Chap	Length	Title
1	03/12/09	2	0:23:24	Nebula G.
2	15/12/09	4	1:04:39	CDJ
3	24/12/09	13	0:41:26	Secret Garden
4	27/12/09	17	0:09:08	S. Walker

Total playback time for the title  
 Number of chapters included in the title  
 Recording date

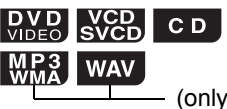
- 2 Press **^** or **v** to select the desired title.
- 3 Press [ENTER/SET].
  - Pressing **^** or **v** during playback starts playback of the newly selected title.

# Convenient functions of disc/file playback



\* For the number button usage, refer to "Using the number buttons" on page 11.

## Playing back a disc/file in the desired order (Program playback)



(only on a loaded disc)

You can program a maximum of 99 chapters or tracks. The same chapter or track can be programmed more than once.

■ When a disc/file is stopped

**1 Press [TUNER/PLAY MODE] repeatedly to display "PROGRAM" in the display window.**

- The "PRGM" indicator lights up in the display window.

**Example: TV screen for a DVD VIDEO (Program screen)**

PROGRAM		
No.	Group/Title	Track/Chapter
1		
2		
3		
4		
5		
6		
7		
8		

## 2 Press the number buttons to program tracks/chapters.

- For a DVD VIDEO, select a title number, and then a chapter number.
- For a VCD, SVCD or CD, select a track number.
- For an MP3, WMA or WAV file, select a group number, and then a track number.

**Example: TV screen for a DVD VIDEO (Program screen)**

PROGRAM		
No.	Group/Title	Track/Chapter
1	1	3
2		
3		
4		
5		
6		
7		
8		

### NOTE

- Instead of using the number buttons, when you press [ENTER/SET] in the "Track/Chapter" column on the TV screen, "ALL" appears and all the chapters/tracks in the selected title/group are programmed. (Only for a DVD VIDEO/MP3/WMA/WAV file)
- You can erase the programmed tracks one by one from the bottom of the list on the program screen by pressing [CANCEL] repeatedly.
- You can erase the whole program by holding down [CANCEL].

## 3 Press [DVD/CD ►/II].

### NOTE

- The resuming playback function does not work in program playback.

## Canceling program playback

- When a disc/file is stopped

**Press [TUNER/PLAY MODE] repeatedly to display an item other than "PROGRAM" in the display window.**

- This operation does not erase the program.

## Playing back a disc/file in a random order (Random playback)



(only on a loaded disc)

- When a disc/file is stopped

### 1 Press [TUNER/PLAY MODE] repeatedly to display "RANDOM" in the display window.

- The "RND" indicator lights up in the display window.

### 2 Press [DVD/CD ►/II].

### NOTE

- Each chapter or track is played back only once.

## Canceling random playback

- When a disc/file is stopped

**Press [TUNER/PLAY MODE] repeatedly to display an item other than "RANDOM" in the display window.**

## Playing back a disc/file repeatedly (Repeat playback)

DVD VIDEO DVD VR CD MP3 WMA WAV JPEG ASF

DivX MPEG1 MPEG2

VCD SVCD (PBC off)

■ When a disc/file is played back

Press **[REPEAT]**.

- Each time you press **[REPEAT]**, the repeat mode changes.

Indicator in the display window	Display in the display window	Usage for the repeat mode
◁	REP TTL	Repeats the current title.
	REP PG	Repeats the current original program.
	REP PL	Repeats the current play list.
	REP GRP	Repeats the current group.
◁ 1	REP CHAP*	Repeats the current chapter.
	REP TRK*	Repeats the current track.
◁ ALL	REP ALL	Repeats all chapters/tracks.
—	REP OFF	Cancels repeat.

\* "REP STEP" is displayed during program or random playback.

### NOTE

- Depending on the disc/file, you can also use the menu bar to set repeat playback. Refer to page 32.
- To cancel the PBC function for a VCD or SVCD, refer to page 24.

## Playing back a specified part repeatedly (A-B repeat playback)

DVD VIDEO DVD VR CD VCD SVCD (PBC off)

You can play back a desired part repeatedly by specifying a start point (A) and an end point (B).

■ When a disc is played back

**1 Press [REPEAT A-B] while holding down [SHIFT] at the start point of the part to be repeated (specifying point A).**

**2 Press [REPEAT A-B] while holding down [SHIFT] at the end point of the part to be repeated (specifying point B).**

- You can search for the end point using ►►.
- The part between points A and B is played back repeatedly.

### Canceling A-B repeat playback

**Press [REPEAT A-B] while holding down [SHIFT].**

- Stopping playback or skipping the chapter or track also cancels A-B repeat playback.

### NOTE

- You can use A-B repeat playback only within the same title or track.
- Depending on the disc, you can also use the menu bar to set A-B repeat playback. Refer to page 32.
- To cancel the PBC function for a VCD or SVCD, refer to page 24.

## Selecting the audio language, subtitle language and view angle

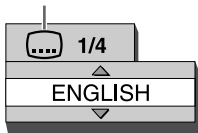
■ When a disc/file is played back

**Press the desired button shown below repeatedly.**

Function	Button	Available disc/file
Audio language	[AUDIO/MPX]	DVD VIDEO DVD VR VCD SVCD DivX
Subtitle language	[SUBTITLE]	DVD VIDEO DVD VR SVCD DivX
View angle	[ANGLE]	DVD VIDEO

**Example: TV screen for the subtitle language**

- ⓘ : Audio language
- ⓘ : Subtitle language
- 📺 : View angle



- Pressing [SUBTITLE] repeatedly turns the subtitle display on and off. To select the desired language, press ▲ or ▼ repeatedly.

### NOTE

- You can only select these function settings when the disc/file contains multiple audio languages, subtitle languages or view angles.
- Depending on the disc, you can also use the menu bar to set the functions. Refer to page 32.
- When a DVD VR, VCD or SVCD is played back, "ST" (stereo), "L" (left) and "R" (right) are displayed on the TV screen.

## Magnifying the picture



■ When a disc/file is played back

### 1 Press [ZOOM] repeatedly.

- Each time you press [ZOOM], the picture magnification changes on the TV screen.

### 2 Select the area of image you want to magnify by using ▲, ▼, ◀ or ▶.

- To return to normal playback, select "ZOOM OFF" in step 1.

### NOTE

- You cannot change the picture magnification during slide-show playback of JPEG files.
- During ASF file playback, ▲, ▼, ◀ or ▶ may not work in step 2.
- When you magnify a picture, image quality may be deteriorated or the image may be distorted.

## Adjusting the picture quality (VFP)

DVD VIDEO DVD VR VCD SVCD JPEG ASF DivX MPEG1 MPEG2

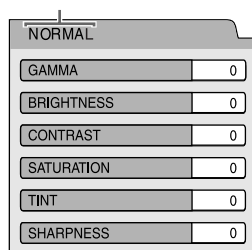
■ When a disc/file is played back or paused

### 1 Press [VFP].

- The current settings are displayed.

**Example: TV screen for the VFP mode**

Selected VFP mode



### 2 Press < or > to select the video fine processor (VFP) mode.

- Each time you press < or >, VFP mode changes on the TV screen as follows.
  - "NORMAL"
 

For normal playback. (You cannot adjust the image quality.) Go to step 7.
  - "CINEMA"
 

Suitable for viewing a movie in a dim room. (You cannot adjust the image quality.) Go to step 7.
  - "USER1/USER2"
 

You can adjust the image quality. Go to step 3.

### 3 Press ^ or v to select the item you want to adjust.

- Each time you press ^ or v, the item changes on the TV screen as follows.
  - "GAMMA"
 

Controls the brightness of neutral tints while maintaining the brightness of dark and light portions. (Setting range: -3 to +3)
  - "BRIGHTNESS"
 

Controls the brightness of the display. (Setting range: -8 to +8)
  - "CONTRAST"
 

Controls the contrast of the display. (Setting range: -7 to +7)
  - "SATURATION"
 

Controls the saturation of the display. (Setting range: -7 to +7)
  - "TINT"
 

Controls the tint of the display. (Setting range: -7 to +7)
  - "SHARPNESS"
 

Controls the sharpness of the display. (Setting range: -8 to +8)

### 4 Press [ENTER/SET].

**Example: TV screen for "GAMMA"**



### 5 Press ^ or v to change the value.

### 6 Press [ENTER/SET].

- To adjust other items, go back to step 3.

### 7 Press [VFP].



## Creating realistic sound (3D PHONIC)

**DVD VIDEO DVD VR VCD SVCD CD MP3 WMA WAV**

This function is available when a loaded disc or a connected USB device is selected as the source.

■ When a disc/file is played back

**Press [3D P/HPS] while holding down [SHIFT].**

- Each time you press [3D P/HPS], the display changes as follows.
  - "ACTION" is suitable for action movies, sport programs or other lively programs.
  - Select "DRAMA" to enjoy a sound effect with a relaxing, natural atmosphere.
  - Select "THEATER" to enjoy a sound effect as if you were watching the movie in a theater.
  - Select "3D OFF" to cancel the 3D PHONIC function.

## Selecting the audio volume level of the DVD

**DVD VIDEO**

When the audio volume of a DVD VIDEO is lower than that of another source, you can increase the audio volume level of the DVD.

■ When a disc is played back

**Press [DVD/AUDIO IN LEVEL] while holding down [SHIFT].**

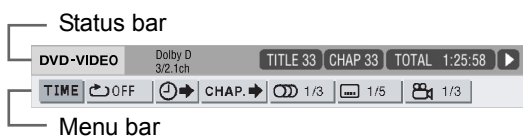
- Each time you press [DVD/AUDIO IN LEVEL], the audio volume level display changes to "NORMAL" or "HIGH" in the display window.

# Using the status bar and the menu bar

■ When a disc/file is played back

**1 Press [ON SCREEN] twice.**

Example: TV screen for a DVD VIDEO



**2 Press < or > to select an item you want to operate.**

**3 Press [ENTER/SET].**

**4 Press ^ or v to select your desired setting.**

## NOTE

- To turn off the status bar and the menu bar, press [ON SCREEN].

Information displayed on the status bar

## DVD VIDEO or DVD VR

Example: Status bar for a DVD VIDEO

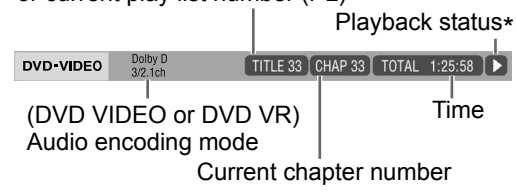
(DVD VIDEO)

Current title number

(DVD VR)

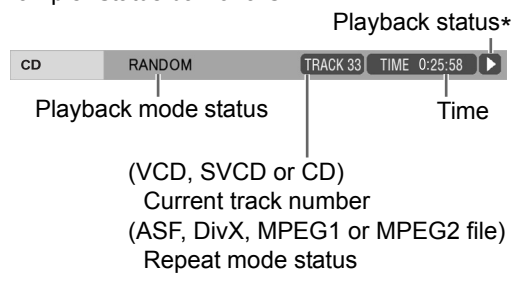
Current original program number (PG)

or current play list number (PL)



## VCD, SVCD, CD, ASF, DivX, MPEG1 or MPEG2 file

Example: Status bar for a CD



\* The playback status has the same meaning of the guide icons on the TV screen. (Refer to page 20.)

## Function list

<div>TIME</div> <div>Time display selection</div>	<p>Changes the time information in the display window and the status bar. Instead of steps 3 and 4 on page 31, press [ENTER/SET] repeatedly. Each time [ENTER/SET] is pressed, the display changes on the status bar.</p> <div>DVD VIDEO</div> <p>■ When a disc is played back</p> <p>TIME : Elapsed playback time of the current chapter</p> <p>REM : Remaining time of the current chapter</p> <p>TOTAL : Elapsed playback time of the current title</p> <p>T.REM : Remaining time of the current title</p> <div>DVD VR</div> <p>■ When a disc is played back</p> <p>TOTAL : Elapsed playback time of the current original program/play list</p> <p>T.REM : Remaining time of the current original program/play list</p> <div>VCD SVCD CD</div> <p>■ When a disc is played back</p> <p>TIME : Elapsed playback time of the current track</p> <p>REM : Remaining time of the current track</p> <p>TOTAL : Elapsed playback time of the disc</p> <p>T.REM : Remaining time of the disc</p>
<div>OFF</div> <div>Repeat mode</div>	<p>Refer to page 27.</p>
<div>⌚➡</div> <div>Time search</div>	<p>Refer to the explanation shown on the right.</p>
<div>CHAP.➡</div> <div>Chapter search</div>	<div>DVD VIDEO DVD VR</div> <p>Selects a chapter. Press the number buttons to enter the chapter number and press [ENTER/SET].</p> <p><b>Examples:</b></p> <p>5 : [5]</p> <p>24 : [2] → [4]</p>
<div>🔊 1/3</div> <div>Audio language</div>	<p>Refer to page 28.</p>
<div>🗣️ 1/5</div> <div>Subtitle language</div>	<p>Refer to page 28.</p>
<div>📺 1/3</div> <div>View angle</div>	<p>Refer to page 28.</p>

## Designating the time (Time search)

DVD VIDEO

DVD VR

CD

VCD SVCD

 (PBC off)

■ When a disc is played back

**1 Press [ON SCREEN] twice.**

- The menu bar appears. (Refer to page 31.)

**2 Press < or > to select**

⌚➡

.

**3 Press [ENTER/SET].**



**4 Enter the time using the number buttons.**

**Example:**

When you want to play back a DVD VIDEO from the position of (0 hour) 23 minutes 45 seconds, press the number buttons in the order of [ 0 ], [ 2 ], [ 3 ], [ 4 ] and [ 5 ].

- You can skip entering the minute and second settings.
- If an incorrect value is entered, press < to delete the value and enter the correct value.

**5 Press [ENTER/SET].**

- To turn off the menu bar, press [ON SCREEN].

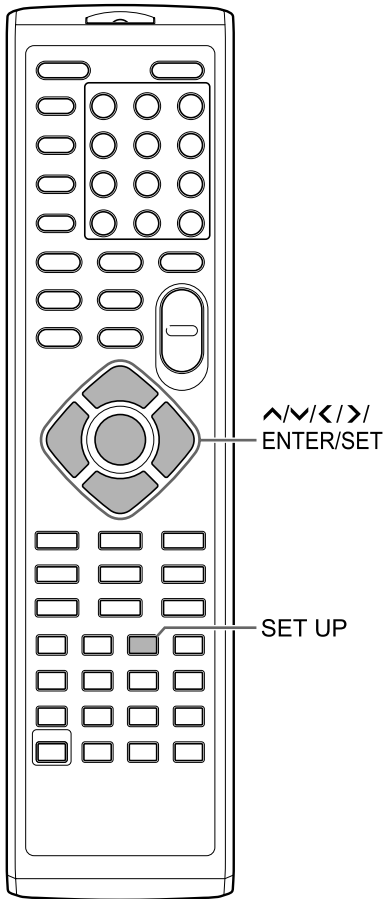
### NOTE

- This function does not work during program or random playback.
- To cancel the PBC function for a VCD or SVCD, refer to page 24.

# Changing the initial settings with the preference screen



You can use the preference screen to change the initial settings of the main unit according to the environment where the main unit is used.



**NOTE**

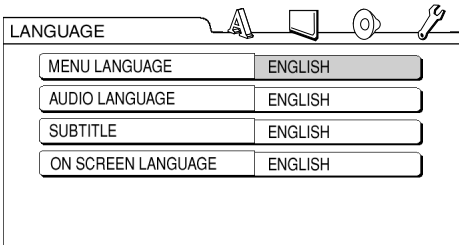
- The top and bottom of the preference screen may not be displayed on a widescreen TV. Adjust the picture size on the TV.

## Basic operations

■ When a disc/file is stopped

**1 Press [SET UP].**

- The preference screen appears on the TV screen.



**2 Use ^, v, <, > and [ENTER/SET] to operate the preference screen.**

- Follow the description on the TV screen to operate the preference screen.







## LANGUAGE

Items	Contents
MENU LANGUAGE	Select the language for the DVD VIDEO/DivX menu screen.
AUDIO LANGUAGE	Select the audio language for the DVD VIDEO/DivX.
SUBTITLE	Select the subtitle language for the DVD VIDEO/DivX.
ON SCREEN LANGUAGE	Select the language displayed on the preference screen.



## PICTURE

Items	Contents
<b>MONITOR TYPE</b>	<p>Select the display method suitable for your TV.</p> <p><b>16 : 9 NORMAL :</b> For a widescreen TV whose aspect ratio is fixed at 16:9. When a conventional screen picture whose aspect ratio is 4:3 is input, black bars appear on the left and right sides of the screen.</p> <p><b>16 : 9 AUTO :</b> For a widescreen TV that automatically detects the aspect ratio of the input screen picture.</p> <p>When a conventional screen picture is input</p>  <p>When a widescreen picture is input</p>  <p><b>4 : 3 LB (Letterbox) :</b> For a TV with conventional 4:3 aspect ratio. When a widescreen picture is input, black bars appear on the top and bottom of the screen.</p>  <p><b>4 : 3 PS (Pan Scan) :</b> For a TV with conventional 4:3 aspect ratio. When a widescreen picture is input, the left and right edges of the picture are not shown on the screen. (If the disc/file is not compatible with Pan Scan, the picture is displayed at the Letterbox ratio.)</p>  <p><b>16 : 9 MULTI NORMAL :</b> <b>16 : 9 MULTI AUTO :</b> <b>4 : 3 MULTI LB (Letterbox) :</b> <b>4 : 3 MULTI PS (Pan Scan) :</b></p> <p>These "MULTI" options should be selected when you connect this system to a TV compatible with multiple video signal types. If you select one of these options, the system outputs a PAL or NTSC video signal according to the disc, regardless of the video signal type setting. (Refer to page 10.)</p>

Items	Contents
<b>PICTURE SOURCE</b>	<p>Select the item suitable to the video source.</p> <p><b>AUTO :</b> The video source type (a video or film) is automatically selected.</p> <p><b>FILM :</b> To view a film or video recorded with the progressive scan method</p> <p><b>VIDEO :</b> Suitable for playing back a video</p>
<b>SCREEN SAVER</b>	<p>You can turn <b>ON</b> or <b>OFF</b> the screen saver. The screen saver activates when there is no operation made for approximately 5 minutes since a still picture was last displayed.</p>
<b>FILE TYPE</b>	<p>When files of different types are recorded on a loaded disc or connected USB device, select the file type before playback.</p> <p>Select <b>AUDIO</b>, <b>STILL PICTURE</b> or <b>VIDEO</b>. (Refer to page 20.)</p>



## AUDIO

Items	Contents
<b>DIGITAL AUDIO OUTPUT</b>	<p>Select the output signal type suitable to the device connected to the [OPTICAL DIGITAL OUTPUT] terminal. Refer to "List of relationships of DIGITAL AUDIO OUTPUT preference items and output signals" on page 36.</p> <p><b>PCM ONLY :</b> Device corresponding only to linear PCM</p> <p><b>DOLBY DIGITAL/PCM :</b> Dolby Digital decoder or device having the same function</p> <p><b>STREAM/PCM :</b> Do not select this item. This item is not used for this system.</p>
<b>DOWN MIX</b>	<p>Select the signal suitable to the device connected to the [OPTICAL DIGITAL OUTPUT] terminal. Set "DOWN MIX" only when "DIGITAL AUDIO OUTPUT" is set to "PCM ONLY".</p> <p><b>DOLBY SURROUND :</b> Dolby Pro Logic decoder-built-in device</p> <p><b>STEREO :</b> Ordinary audio device</p>
<b>D (Dynamic). RANGE COMPRESSION</b>	<p>To correct the difference between high volume and low volume when playing back with low volume (only for a DVD recorded with Dolby Digital).</p> <p><b>AUTO :</b> The D. RANGE COMPRESSION function automatically turns on.</p> <p><b>ON :</b> The D. RANGE COMPRESSION function is always on.</p>



## OTHERS

Items	Contents
<b>RESUME</b>	Select <b>ON</b> or <b>OFF</b> . (Refer to page 22.)
<b>ON SCREEN GUIDE</b>	Select <b>ON</b> or <b>OFF</b> . (Refer to page 20.)
<b>DivX REGISTRATION</b>	The main unit has its own registration code. You can confirm the registration code, when necessary. Once you have played back a disc/file on which the registration code is recorded, the registration code of the main unit is overwritten for copyright protection.

## List of relationships of DIGITAL AUDIO OUTPUT preference items and output signals

Playback disc/file	DIGITAL AUDIO OUTPUT preference	
	DOLBY DIGITAL/PCM	PCM ONLY
48 kHz, 16/20/24-bit linear PCM DVD VIDEO 96 kHz linear PCM DVD VIDEO	48 kHz, 16-bit stereo linear PCM	
DOLBY DIGITAL DVD VIDEO	DOLBY DIGITAL bit stream	48 kHz, 16-bit stereo linear PCM
CD, VCD or SVCD	44.1 kHz, 16-bit stereo linear PCM 48 kHz, 16-bit linear PCM	
MP3, WMA, WAV, DivX, MPEG1 or MPEG2 file	32/44.1/48 kHz, 16-bit linear PCM	

### NOTE

- Among DVD VIDEOS without copyright protection, there may be some DVD VIDEOS that output a 20- or 24-bit signal through the [OPTICAL DIGITAL OUTPUT] terminal.

## Language codes

Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	GD	Scots Gaelic	MI	Maori	SN	Shona
AB	Abkhazian	GL	Galician	MK	Macedonian	SO	Somali
AF	Afrikaans	GN	Guarani	ML	Malayalam	SQ	Albanian
AM	Amharic	GU	Gujarati	MN	Mongolian	SR	Serbian
AR	Arabic	HA	Hausa	MO	Moldavian	SS	Siswati
AS	Assamese	HI	Hindi	MR	Marathi	ST	Sesotho
AY	Aymara	HR	Croatian	MS	Malay (MAY)	SU	Sundanese
AZ	Azerbaijani	HY	Armenian	MT	Maltese	SV	Swedish
BA	Bashkir	IA	Interlingua	MY	Burmese	SW	Swahili
BE	Byelorussian	IE	Interlingue	NA	Nauru	TA	Tamil
BG	Bulgarian	IK	Inupiak	NE	Nepali	TE	Telugu, Tereno
BH	Bihari	IN	Indonesian	NL	Dutch	TG	Tajik
BI	Bislama	IS	Icelandic	NO	Norwegian	TH	Thai
BN	Bengali, Bangla	IW	Hebrew	OC	Occitan	TI	Tigrinya
BO	Tibetan	JI	Yiddish	OM	(Afan) Oromo	TK	Turkmen
BR	Breton	JW	Javanese	OR	Oriya	TL	Tagalog
CA	Catalan	KA	Georgian	PA	Panjabi, Papiamento	TN	Setswana
CO	Corsican	KK	Kazakh	PS	Pashto, Pushto	TO	Tonga
CY	Welsh	KL	Greenlandic	PT	Portuguese	TR	Turkish
DA	Danish	KM	Cambodian	QU	Quechua	TS	Tsonga
DZ	Bhutani	KN	Kannada	RM	Rhaeto-Romance	TT	Tatar
EL	Greek	KO	Korean (KOR)	RN	Kirundi	TW	Twi
EO	Esperanto	KS	Kashmiri	RO	Rumanian	UK	Ukrainian
ET	Estonian	KU	Kurdish	RW	Kinyarwanda	UR	Urdu
EU	Basque	KY	Kirghiz	SA	Sanskrit	UZ	Uzbek
FA	Persian	LA	Latin	SD	Sindhi	VI	Vietnamese
FI	Finnish	LN	Lingala	SG	Sango	VO	Volapuk
FJ	Fiji	LO	Laothian	SH	Serbo-Croatian	WO	Wolof
FO	Faroese	LT	Lithuanian	SI	Singhalese	XH	Xhosa
FY	Frisian	LV	Latvian, Lettish	SL	Slovenian	YO	Yoruba
GA	Irish	MG	Malagasy	SM	Samoan	ZU	Zulu

# Recording sound directly from a CD to a USB device

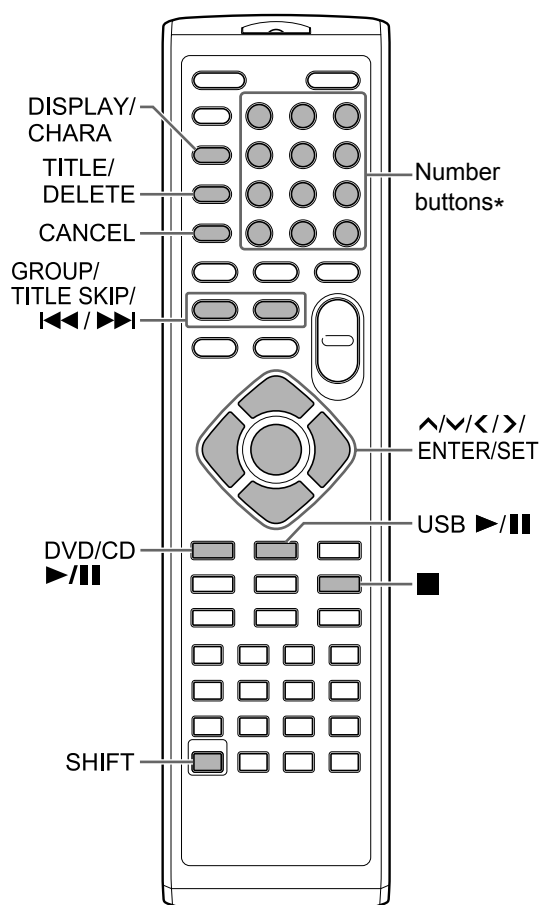
You can record sound from a CD to a USB device.

## CAUTION

- It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable program and in any literary, dramatic musical, or artistic work embodied therein.
- A track from a CD is digitally recorded and converted into an MP3 file.

## NOTE

- This chapter collectively describes "file" as "track", and "folder" as "group".

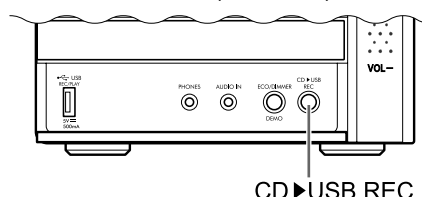


\* For the number button usage, refer to "Using the number buttons" on page 11.

## Recording all tracks from a CD to a USB device

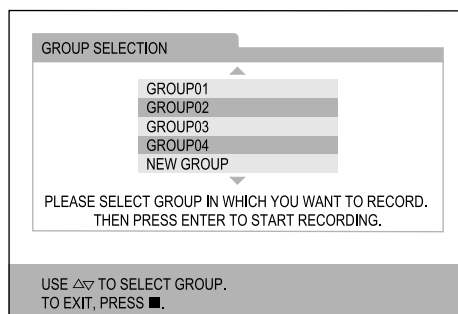
- 1 Place a CD on the disc tray and connect the USB device.
  - Refer to pages 18 and 19.
- 2 Press [DVD/CD ▶/||].
- 3 Press ■ to stop playback.
- 4 Press [CD ▶ USB REC] on the main unit.

Main unit (front view)



- 5 Press ▲ or ▼ repeatedly to select the desired group on the connected USB device.

TV screen



- You can create a new group by selecting "NEW GROUP" on the TV screen.
- After this step, you can add (edit) a title to the selected group. Follow steps 4 to 8 in "Adding (Editing) a title to a track/group on a USB device" on page 39.



## 6 Press [ENTER/SET] to start recording.

- The “REC” indicator starts flashing.

### NOTE

- When you want to quit recording, press ■.
- When “READING” is displayed in the display window, you cannot start recording.
- If “NODEVICE” appears in the display window, no USB device is connected or the connected USB device is not compatible with this system.
- If “D.FAIL” appears in the display window, this system has failed to read the USB device.
- If “W.PRT” appears in the display window, the connected USB device is write protected.
- If “FULLFILL” or “D.FULL” appears in the display window, the recordable capacity of the USB device is full.
  - You may be trying to record more than the limited number of recordable tracks. You can record up to 999 tracks to a USB device.
  - The number of tracks that can be recorded to the root group may be limited on the USB device. The number of tracks may have exceeded the limitation. In this case, select another group or create a new group.
- If “SCMS VLT” appears in the display window, you are trying to record sound from a CD-R or CD-RW. The Serial Copy Management System (SCMS) protects copyright and allows only first-generation digital copies from the digitally recordable source.
- Changes to the volume during recording do not affect the recorded sound or the recorded sound level.
- The sound adjustment functions of this system do not affect the recorded sound.
- Operating this function automatically cancels random and repeat playback.

### CAUTION

- Do not bump or move the main unit while recording sound. Such movement may interfere with recording. Take care especially when “WAIT” appears in the display window.
- Do not disconnect the USB device during recording, as this may cause malfunction.

## Recording only one track

**Instead of step 3 on page 37, start playback of the desired track.**

- You can use the number buttons, |◀◀ or ▶▶| to select a track.
- Finishing step 6 returns playback to the beginning of the current track and only that track is recorded.

## Recording programmed tracks

**Before proceeding to step 4 on page 37, program the desired tracks.**

- Refer to steps 1 and 2 on pages 25 and 26 for programming tracks.
- The following procedure is the same as steps 4 to 6 on page 37 to this page.

## Deleting a track/group from a USB device

- 1 Connect the USB device.**
  - Refer to page 19.
- 2 Press [USB ►/II].**
- 3 Press ■ to stop playback.**
- 4 Use [GROUP/TITLE SKIP], ◀◀ or ▶▶ to select the desired track/group.**
  - To select a group, press [GROUP/TITLE SKIP] repeatedly while holding down [SHIFT].
  - To select a track, press ◀◀ or ▶▶ repeatedly.
  - When you select the last track in a group, the group is also deleted.
- 5 Press [TITLE/DELETE] repeatedly to select “TR DEL” or “GR DEL” in the display window.**
  - Select “TR DEL” to delete a track.
  - Select “GR DEL” to delete a group.
- 6 Press [ENTER/SET].**
  - To cancel deleting the track/group, press [CANCEL].
- 7 Press [ENTER/SET].**

## Adding (Editing) a title to a track/group on a USB device

- 1 Connect the USB device.**
  - Refer to page 19.
- 2 Press [USB ►/II].**
- 3 Press ■ to stop playback.**
- 4 Use [GROUP/TITLE SKIP], ◀◀ or ▶▶ to select the desired track/group.**
  - To select a group, press [GROUP/TITLE SKIP] repeatedly while holding down [SHIFT].
  - To select a track, press ◀◀ or ▶▶ repeatedly.

- 5 Press [TITLE/DELETE] repeatedly to select “TR TITLE” or “GR TITLE” in the display window.**
  - Select “TR TITLE” to add a title to a track.
  - Select “GR TITLE” to add a title to a group.

- 6 Press [ENTER/SET].**

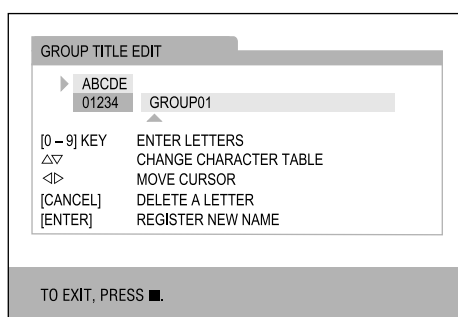
- The title of the selected track/group appears in the display window.

**Example: Display window**

Character type (Refer to page 40.)



**TV screen**



- 7 Enter a title.**
  - Refer to “Entering a title” on page 40.
- 8 Press [ENTER/SET].**

### NOTE

- When you want to quit editing a title, press ■.

## Entering a title

The operation is explained with the example of entering "F".

### 1 Press [DISPLAY/CHARA] repeatedly to select the character type setting.

- Each time you press [DISPLAY/CHARA], the selected character type setting changes to "ABCDE" or "01234" on the TV screen.
- "ABCDE" refers to uppercase letters or symbols.
- "01234" refers to numbers.
- You can also confirm the character type setting in the display window. "A" or "1" is displayed instead of "ABCDE" or "01234".

### 2 Press the number button [3] repeatedly until "F" appears.

- Several characters are assigned to one button. Press the button repeatedly until the desired character is displayed. In this example, "D", "E" and "F" are assigned to [3].
- For the available characters, refer to "Available characters" shown on the right.

### 3 Press [ENTER/SET].

#### NOTE

- When you want to move the character entry position, press ◀ or ▶ repeatedly.
- You can enter up to 24 characters for the track title and up to 28 characters for the group title.
- When you want to erase a character, move the character entry position to the desired character, and press [CANCEL].
- When you want to enter a space, select the space from the symbol (Refer to "Available characters" shown on the right). You can also enter a space at the end of a title by pressing ▶.
- When you want to cancel title entry, press ■. The entered characters are not stored.
- If "PROHIBIT" appears in the display window, the connected USB device is prohibited from editing the track/group.
- If "DUPLICAT" appears in the display window, the same title has been recorded.
- If "NO NAME" appears in the display window, no name is entered when adding a title to a track/group.

#### Available characters

You can use the characters shown below by repeatedly pressing the number buttons ([1] to [9] and [0]). Each number button is assigned with several characters.

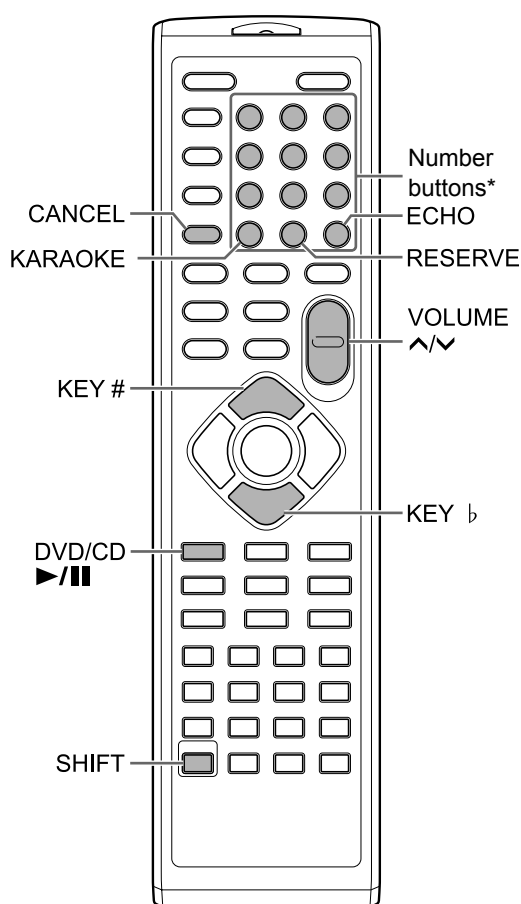
Remote control button	Uppercase letters	Numbers
[1]	Symbols*	1
[2]	→A→B→C←	2
[3]	→D→E→F←	3
[4]	→G→H→I←	4
[5]	→J→K→L←	5
[6]	→M→N→O←	6
[7]	→P→Q→R→S←	7
[8]	→T→U→V←	8
[9]	→W→X→Y→Z←	9
[0]	-	0

#### \*Available symbols

You can use the symbols shown below by repeatedly pressing [1].

→ Space → ! → # → \$ → % → & → ' →  
 \_ ← @ ← = ← . ← - ← + ← ) ← ( ←

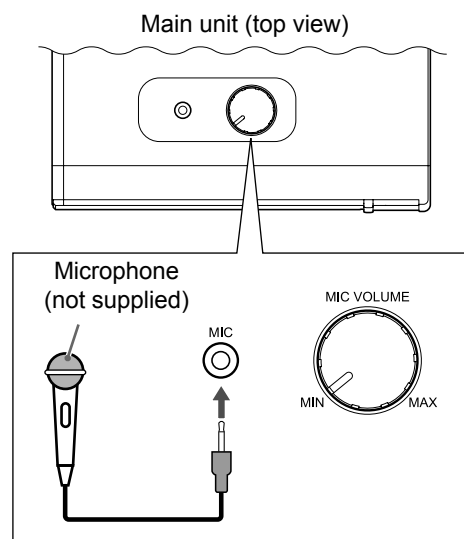
# Enjoying karaoke



\* For the number button usage, refer to "Using the number buttons" on page 11.

## Singing a song in karaoke

- 1 Turn on the main unit.**
  - Refer to "Turning on/off the main unit" on page 11.
- 2 Turn the [MIC VOLUME] control to the [MIN] position on the main unit.**
- 3 Connect the microphone.**



- The [MIC] terminal is for connecting a microphone equipped with a monaural mini plug.
- When a microphone is connected, the microphone mixing function and the other karaoke related functions are automatically activated.

#### **4 Start playback of the desired source.**

- You can select a radio broadcast (page 16), a loaded disc (page 18), a USB device (page 19) or other connected external devices (page 17).
- To playback a karaoke disc, select the desired audio language. (Refer to page 28.)

#### **5 Press [VOLUME ▲] or [VOLUME ▼] repeatedly to adjust the overall sound volume.**

- You can also adjust the volume by using the [VOL +/-] control on the main unit.

#### **6 Turn the [MIC VOLUME] control on the main unit to adjust the microphone volume.**

- Sing into the microphone to find the desired microphone volume.

#### **CAUTION**

- Before disconnecting a microphone from the main unit, turn the [MIC VOLUME] control to the [MIN] position on the main unit.
- Do not leave the microphone connected when not in use.

## Reducing the volume of the original vocals (Vocal masking)

You can decrease or muffle the original vocal sound by using the vocal masking function. This function is available when a loaded disc or a connected USB device is selected as the source.

**Press [KARAOKE] repeatedly while holding down [SHIFT] to select “VMASKING” in the display window.**

- Each time you press [KARAOKE], the setting changes in the display window.
- “VMASKING” refers to “vocal masking”.

### NOTE

- To return to normal playback, press [KARAOKE] repeatedly while holding down [SHIFT] to select “OFF” in the display window.
- This function may not affect the vocal sound in some songs.
- This function does not affect the audio signal output from the [OPTICAL DIGITAL OUTPUT] terminal.

## Adjusting the sound key to match your voice range

You can adjust the sound key to match your voice range during song playback. The sound key changes in increments of semitones.

This function is available when a loaded disc or a connected USB device is selected as the source.

■ When a microphone is connected

**1 Press [KARAOKE] repeatedly while holding down [SHIFT] to select “KEYCON” in the display window.**

- Each time you press [KARAOKE], the setting changes in the display window.
- “KEYCON” refers to “key control”.

**2 Press [KEY #] or [KEY  $\flat$ ] while holding down [SHIFT].**

- Each time you press [KEY #] or [KEY  $\flat$ ], the key setting changes from -6 to +6 on the TV screen.

### NOTE

- To return to the original key, press [KEY #] or [KEY  $\flat$ ] repeatedly while holding down [SHIFT] to select “0” on the TV screen.
- When the track changes, the setting returns to “0” in the display window.

## Adjusting the echo effect

**Press [ECHO] while holding down [SHIFT].**

- Each time you press [ECHO], the setting turns on and off.

## Programming karaoke songs (Karaoke program playback)

You can program songs to be played back in the desired order. A maximum of 12 songs can be programmed.

This function is available when a loaded disc is selected as the source.

■ When a microphone is connected and a disc is stopped

### 1 Press [RESERVE] while holding down [SHIFT].

- The program screen appears on the TV screen.

Program screen (TV screen)

No	Gr/Tt	Tr/Chap
1		
2		
3		
4		
5		

### 2 Press the number buttons to program songs.

### 3 Press [DVD/CD ►/II] to start playback.

- The program screen disappears and playback starts in the programmed order.

### 4 Sing into the microphone.

#### NOTE

- You can activate and deactivate the karaoke program by pressing [RESERVE] repeatedly while holding down [SHIFT].

### Checking the program

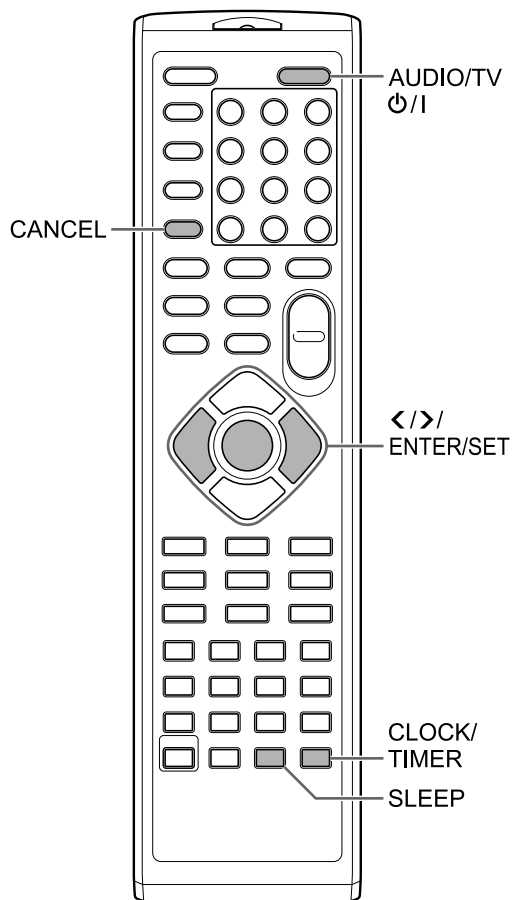
Press [RESERVE] while holding down [SHIFT].

- The program screen appears on the TV screen.

### Canceling a programmed song

Press [CANCEL].

- To cancel the remaining tracks, press [CANCEL] repeatedly.



## Using the sleep timer

When the time you specify elapses, the main unit automatically turns off.

**Press [SLEEP].**

- Each time you press [SLEEP], the time indicated in the display window changes. You can set the time to 10, 20, 30, 60, 90, 120, 150 or 180 minutes.

### Changing the remaining time

**Press [SLEEP] repeatedly to select the time again.**

### Confirming the remaining time

**Press [SLEEP] once.**

#### NOTE

- When you use the sleep timer, deactivate the auto standby function, otherwise the sleep timer may not work when the specified time elapses. The auto standby function overrides the sleep timer. (Refer to page 14.)



## Using the playback timer

You can program up to 3 playback timer settings. Set the clock beforehand. (Refer to page 13.)

- 1 Press [CLOCK/TIMER] repeatedly to select “TIMER-1 (⌚ 1)”, “TIMER-2 (⌚ 2)” or “TIMER-3 (⌚ 3)” in the display window.**
- 2 Press [ENTER/SET].**
- 3 Set the starting time and ending time with < or > and [ENTER/SET].**
- 4 Press < or > to select the desired source, and then press [ENTER/SET].**
  - If you have selected “TUNER FM” or “TUNER AM” in this step, press <, > or the number buttons to select the preset number of the radio station whose broadcast you want to listen to, and then press [ENTER/SET].
  - Having selected “DVD/CD” or “USB”, you can select the title, group, chapter, track or file in the same procedure. However, you cannot select the title, group, chapter, track or file number exceeding 150.
  - When a DVD VIDEO is selected as the source, playback may not start with this function.
- 5 Press < or > to adjust the playback volume, and then press [ENTER/SET].**
  - The “⌚ 1”, “⌚ 2” or “⌚ 3” indicator lights up.
- 6 Press [AUDIO/TV ⏻/⏻] to turn off the main unit.**

### NOTE

- While setting the playback timer, you can return to the previous step by pressing [CANCEL] or you can stop the setting by pressing [CLOCK/TIMER].
- When the power cable of the main unit is disconnected from the AC outlet or the power is interrupted, the clock setting is lost. At this time, set the clock and then the playback timer again.

### Canceling the playback timer

- 1 Press [CLOCK/TIMER] repeatedly to select “TIMER-1 (⌚ 1)”, “TIMER-2 (⌚ 2)” or “TIMER-3 (⌚ 3)” in the display window.**
- 2 Press [CANCEL].**

# Notes on operation

## Suitable locations for the main unit

To minimize the need for servicing and maintain the high quality of this system, do not place the main unit in the following locations:

- In a position subject to high humidity or considerable dust
- On an uneven or unstable surface
- Near a heat source
- Near a computer, fluorescent light or other electric appliance
- In a small room with insufficient ventilation
- In a position exposed to direct sunlight
- In a position exposed to excessive cold
- In a position exposed to strong vibration
- Near a TV, other amplifier, or tuner
- Near a magnetic source

### CAUTION

- The operating temperature of this system is 5°C to 35°C. Use in temperatures outside this range may cause a malfunction or damage the system.

## Condensation

Under the following conditions, you may not be able to operate this system properly due to condensation formed on the lens of the main unit:

- When you have just started an air conditioner to warm your room
- When you have placed the main unit at an area with high humidity
- When you have moved the main unit from a cold place to a warm place

When condensation forms, leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.

## Cleaning the main unit

When the operation panel becomes dirty, dust it with a soft dry cloth. When the operation panel is very dirty, wipe it with a cloth dampened with a small amount of a neutral detergent, and then wipe it with a soft dry cloth.

### CAUTION

- Do not wipe the operation panel with thinners, benzenes or other chemical agents. Do not spray insecticides onto the operation panel. These may discolor and damage the surface.

## Notes on handling

### Important cautions

#### Installation of the system

- Select a place that is level, dry and neither too hot nor too cold, and between 5°C and 35°C.
- Leave sufficient distance between the system and the TV.
- Do not use the system in a place subject to vibration.

#### Power cable

- Do not handle the power cable with wet hands!
- A small amount of power is always consumed while the power cable is connected to the wall outlet.
- When unplugging the power cable from the wall outlet, always pull on the plug, not the power cable.

#### To prevent malfunctions of the system

- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cable and consult your dealer.
- Do not insert any metallic object into the system.

#### Note about copyright laws

Check the copyright laws in your country before recording from CDs. Recording of copyrighted material may infringe copyright laws.

## Safety Precautions

### Avoid moisture, water and dust

Do not place the system in moist or dusty places.

### Avoid high temperatures

Do not expose the system to direct sunlight and do not place it near heating equipment.

### When you are away

When away on travel or for other reasons for an extended period of time, disconnect the power cable plug from the wall outlet.

### Do not block the vents

Blocking the vents may damage the system.

### Care of the cabinet

When cleaning the system, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths. Do not use benzene, thinner or other organic solvents including disinfectants. These may cause deformation or discoloring.

### If water gets inside the system

Turn the system off and disconnect the power cable plug from the wall outlet, then call the store where you made your purchase. Using the system in this condition may cause fire or electrical shock.

## License and trademark

- DivX® is a registered trademark of DivX, Inc., and is used under license.
- ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified or DivX Ultra Certified device that plays DivX video.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX® Certified device must be registered in order to play DivX Video-on-Demand (VOD) content. First generate the DivX VOD registration code for your device and submit it during the registration process. [Important: DivX VOD content is protected by a DivX DRM (Digital Rights Management) system that restricts playback to registered DivX Certified devices. If you try to play DivX VOD content not authorized for your device, the message "Authorization Error" will be displayed and your content will not play.] Learn more at [www.divx.com/vod](http://www.divx.com/vod).
- Plays DivX® video
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- DVD Logo is a trademark of DVD Format/Logo Licensing Corporation.
- Manufactured under license from Dolby Laboratories. "Dolby", and the double-D symbol are trademarks of Dolby Laboratories.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.
- CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE "STANDARD DEFINITION" OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.
- USE OF THIS PRODUCT IN ANY MANNER THAT COMPLIES WITH THE MPEG-4 VISUAL STANDARD IS PROHIBITED, EXCEPT FOR USE BY A CONSUMER ENGAGING IN PERSONAL AND NON-COMMERCIAL ACTIVITIES.

# Notes on discs/files

## Playable disc/file types

Playable discs <sup>*1</sup>	DVD VIDEO, DVD VR <sup>*3</sup> , VCD, SVCD, CD, CD-R <sup>*4</sup> , CD-RW <sup>*4</sup> , DVD-R <sup>*5, *6</sup> , DVD-RW <sup>*6</sup> , +R, +RW
Playable files recorded on a disc <sup>*1</sup>	MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1, MPEG2 <sup>*7</sup>
Playable files recorded on a USB device <sup>*2</sup>	

- Even though listed above, some types may be unplayable.

- \*1 Discs should be finalized before being played back. Discs with CPRM content protection are not playable on this system.
- \*2 This system may not recognize some USB devices. This system cannot play back a file whose data volume is more than 2 gigabytes and a file whose data transfer rate is more than 2 Mbps.
- \*3 DVD VR means a DVD-R/DVD-RW recorded in Video Recording (VR) format.
- \*4 A CD-R/CD-RW recorded in multi-session format (up to 20 sessions) is playable.
- \*5 A DVD-R recorded in multi-border format is also playable (including dual layer discs).
- \*6 For files recorded on a DVD-R/DVD-RW, the disc should be formatted with UDF Bridge.
- \*7 The playable MPEG2 files includes a file recorded by the JVC Everio camcorder unless (1) the file is recorded in HD format, (2) its maximum bit rate is more than 2 Mbps, or (3) the camcorder is connected to this system directly.

It is possible to play back finalized +R/+RW (DVD Video Format only) discs. "DVD/CD" lights on the front display panel when a +R/+RW disc is loaded.

Some discs may not be played back because of their disc characteristics, recording conditions, or damage or stains on them.

Only sounds can be played back from the following discs:

MIX-MODE CD	CD-G
CD-EXTRA	CD TEXT

This system accommodates the PAL and NTSC systems. When you play back an NTSC disc with the video signal type set to "PAL" or "PAL PRG" (refer to page 10), the NTSC video signal is converted to the PAL60 signal and output.

### Region code of DVD VIDEO

DVD VIDEO players and DVD VIDEO discs have their own region code numbers. This system can play back a DVD VIDEO whose region code number includes the system's region code, which is indicated on the rear panel of the main unit.

#### Examples:

For Central and South America



For Saudi Arabia



For countries/areas other than Central and South America or Saudi Arabia



If a DVD VIDEO with an improper region code number is loaded, playback cannot start.

- **On some DVD VIDEOS, VCDs, SVCDs or DivX files, their actual operation may be different from what is explained in this manual. This is due to the disc/file programming and disc/file structure, not a malfunction of this system.**

## Unplayable discs

- The following discs cannot be played back:
- DVD-ROM (except for MP3, WMA, JPEG, ASF, DivX, MPEG1 or MPEG2 format), DVD-RAM, CD-ROM, CD-I (CD-I Ready), Photo CD, SACD, etc.
- Playing back these discs generates noise and may damage the speakers.
- Damaged discs and discs with an unusual shape (other than a disc of 12 cm or 8 cm in diameter) cannot be played back.
- JVC does not guarantee the operation and sound quality of discs not authorized by CD-DA, which is a CD specification.  
Before playback, confirm that the disc complies with this CD specification by checking the symbols and reading notes printed on the package.

## Playable MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 and MPEG2 discs and files

- CDs recorded in the format of ISO 9660 level 1 or level 2 are playable (except CDs recorded in the "packet write" format (UDF format)).
- Files with an extension of ".mp3", ".wma", ".wav", ".jpg", ".jpeg", ".asf", ".divx", ".div", ".avi", ".mpg", ".mpeg" or ".mod" (extensions with mixed cases are also acceptable) are playable.

## Notes on MP3, WMA, WAV, JPEG and ASF discs and files

- A disc may not be played back, or reading it may take a long time depending on its recording conditions or properties.
- The time needed for reading varies with the number of groups or tracks (files) recorded on the disc.
- If characters other than single-byte alphanumeric characters are used in the file name of an MP3, WMA, WAV, JPEG or ASF file, the track/file name is not displayed correctly.
- The order of tracks/groups displayed on the MP3, WMA or WAV menu screen, and the order of files/groups displayed on the JPEG menu screen may be different from that of files/folders displayed on a computer monitor screen.
- Playing back an MP3 or WMA file that contains a still image may take a long time. The elapsed time is not displayed until playback starts. This elapsed time may not be displayed correctly.
- When playing back an MP3 or WMA file, a disc with a sampling frequency of 44.1 kHz and a transmission rate of 128 kbps is recommended. This system cannot playback a file whose transmission rate is less than 64 kbps.
- This system is not compatible with an MP3i or MP3PRO file.
- This system can play back a baseline JPEG file, excluding monochromatic JPEG files.
- This system can play back JPEG data taken with a digital camera.
- If data has been processed, edited or restored with computer image editing software, the data may not be displayed.
- This system cannot play back animations such as MOTION JPEG files, still pictures (TIFF etc.) other than JPEG files, or image data with sound.
- The resolution of 640 x 480 pixels is recommended for JPEG files. If a file has been recorded at a resolution of more than 640 x 480 pixels, it may take a long time to display the file. An image with a resolution of more than 8192 x 7680 pixels cannot be displayed.
- The system supports ASF files recorded with the maximum bit rate of 384 kbps and an audio coder decoder of G.726.
- A WAV file with a sampling frequency of 44.1 kHz and a quantization bit rate of 16-bit linear PCM is recommended.

## Notes on DivX discs/files

- The system supports all versions of DivX<sup>®</sup> including DivX<sup>®</sup> 6.
- The system supports DivX files with a resolution of 720 x 480 pixels or less (30 fps) and 720 x 576 pixels or less (25 fps).
- Audio streams should conform to MPEG1 Audio Layer-2, MPEG Audio Layer-3 (MP3) or Dolby Digital.
- The system does not support GMC (Global Motion Compression).
- Files encoded in the interlaced scanning mode may not be played back correctly.
- Playing back a DivX file may take a long time. The elapsed time is not displayed until playback starts. The elapsed time may also not be displayed correctly.

## Notes on MPEG1 and MPEG2 discs and files

- The stream structure of MPEG1 and MPEG2 discs and files should conform to MPEG system or program stream.
- 720 x 576 pixels (25 fps) or 720 x 480 pixels (30 fps) is recommended for the highest resolution.
- This system also supports the resolutions of 352 x 576, 480 x 576 and 352 x 288 pixels (25 fps) and 352 x 480, 480 x 480 and 352 x 240 pixels (30 fps).
- The profile and level should be MP@ML (Main Profile at Main Level), SP@ML (Simple Profile at Main Level) or MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2, MPEG2 Audio Layer-2 or Dolby Digital (MPEG2 files only).

## Caution for DualDisc playback

The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product is not recommended.

## Notes on files recorded on a connected USB device

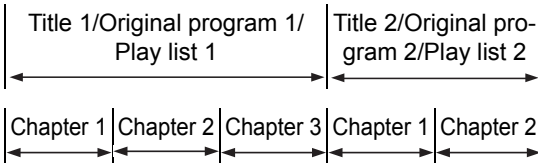
- This system is compatible with USB 2.0 Full-Speed.
- This system may not play back some USB devices and some files.
- This system does not support DRM (Digital Rights Management).
- This system cannot recognize a USB device whose rating exceeds 5V/500mA.
- When connecting a USB device, refer also to its manual.
- Connect the USB device directly to the main unit without routing through a USB hub.
- Disconnect the USB device after stopping playback or turning off this system. Otherwise, this may cause malfunction of this system and the USB device.
- The main unit cannot charge a USB device.
- Always set the volume to the minimum on this system when connecting or disconnecting a USB device.
- JVC bears no responsibility for any loss of data on the USB device while using this system.

## Data hierarchy

### DVD VIDEO and DVD VR

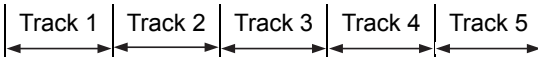
A DVD VIDEO consists of “titles” and each title may be divided into “chapters”.

A DVD VR consists of “original programs” or “play lists” and each original program/play list may be divided into “chapters”.



### VCD, SVCD and CD

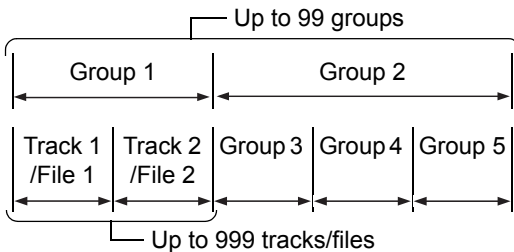
A VCD, SVCD or CD consists of “tracks”. In general, each track has its own track number. (On some discs, each track may also be further divided by indexes.)



### MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 and MPEG2 files

Audio, still pictures and video are recorded as tracks/files on a disc or a USB device. Tracks/files are usually grouped into a folder. Folders can also include other folders, creating hierarchical folder layers.

This system simplifies the hierarchical construction of files and manages folders by “groups”.

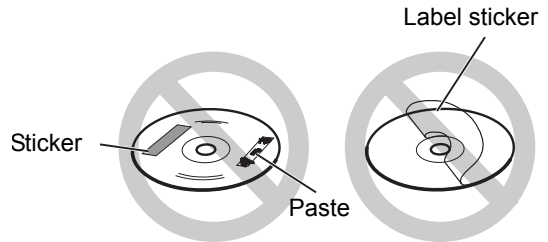


This system can recognize up to 4000 tracks/files on a disc. Also, the system can recognize up to 999 tracks/files per group and up to 99 groups on a disc. Because the system ignores the tracks/files with numbers exceeding 999 and the groups with numbers exceeding 99, these cannot be played back.

If there are any type of files other than MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2 files on a disc, those files are also counted in the total number of files.

## Handling discs

- Do not use a commercially-available non-standard shape disc (like a heart, flower or credit card, etc.), because it may damage the system.
- Do not use a disc with tape, stickers, or paste on it, because it may damage the system.
- Do not bend the disc.



## Cleaning discs



Wipe the disc from the center outward with a soft cloth.

- Scratches concentrated on a certain part cause sound dropout.
- Be sure not to use thinners, benzenes, cleaners for analog records, or other chemical agents.

# Troubleshooting

## ■ General

Problem	Possible cause	Possible solution	Reference page
Adjustments or settings are suddenly canceled before you finish.	There is a time limit.	Repeat the procedure again.	—
The remote control does not work.	The remote control sensor on the main unit is blocked.	Make sure that nothing is blocking the path between the remote control sensor and the remote control.	5
	The batteries are running low.	Replace the batteries.	5
No sound is produced.	The speakers are not connected correctly.	Connect the speakers correctly.	7
	Headphones are connected.	Disconnect the headphone plug.	13
No picture is produced.	Improper connection.	Connect all cables properly.	8, 9
The picture is distorted.	The video signal type setting is not appropriate.	Select the video signal type suitable for your TV.	10
The screen size is abnormal.	The screen size setting is not appropriate.	Select the display method suitable for your TV.	34

## ■ Radio broadcast

Problem	Possible cause	Possible solution	Reference page
A radio broadcast has interference from noise.	The antennas are not connected correctly.	Connect the antennas correctly.	6
A radio broadcast cannot be received.			



# ■ Disc/USB device playback

Problem	Possible cause	Possible solution	Reference page
A disc cannot be played back.	If "RG ERROR" appears on the display window, the region code number of a disc is not compatible with this system. (only for a DVD VIDEO)	Confirm the region code number compatible with this system.	49
	The disc is upside down.	Place the disc on the disc tray with the printed surface facing up.	18
Tag information does not appear in the display window.	The tag type is not ID tag version 1. (only for an MP3 file)	This system only supports ID tag version 1.	—
Groups or tracks are not played back in the desired order.	The playback order is determined when the groups/tracks are recorded.	This is not a malfunction.	—
An MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2 file cannot be played back.	The loaded disc may include files of different types (MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2).	Select the file type. You can only play back the files of the selected types. If the main unit has read the file, select the desired file type, and then reload the disc or disconnect the USB device and connect it again.	20
A certain point on the disc cannot be played back properly.	The disc is scratched or dirty.	Clean or replace the disc.	52
The produced audio language/displayed subtitle language is different from the one you have selected as the initial language.	Some disc/file are programmed for the initial language.	Select the audio/subtitle language.	28
The disc cannot be ejected.	The power cable is not connected to an AC outlet.	Connect the power cable correctly.	9
	Disc ejection is locked.	Unlock the disc ejection.	14
Changing the source takes time.	When you change the source to "DVD/CD" or "USB", it takes some time to activate the source.	This is not a malfunction.	—
The source cannot change to "USB".	This system is reading a disc.	Press ■, and then change the source to "USB".	—

(Continued on the next page)

## ■ Recording

Problem	Possible cause	Possible solution	Reference page
No sound can be recorded to a USB device.	The recordable capacity of the USB device is full. You can record up to 999 tracks to a USB device.	Delete some tracks/groups.	39
	The USB device is not compatible with this system.	Use another USB device.	—
	The USB device is write protected.		
No title can be added to tracks/groups.			

## ■ Karaoke

Problem	Possible cause	Possible solution	Reference page
Some karaoke functions do not work.	When the recording function is working, you cannot operate any of the karaoke functions.	Quit recording and then operate the desired karaoke function.	37, 41-44
	Depending on the disc/file, you cannot operate some karaoke functions.	This is not a malfunction.	—

## ■ Timer

Problem	Possible cause	Possible solution	Reference page
The playback timer does not work.	This system is on. The playback timer works only when the system is off.	Turn off the system.	11

**If this system does not work properly even after taking the action in the above “Possible solution”**

Many functions of this system are controlled by microprocessors that can be reset by recycling the power supply. If pressing any button does not result in the normal action, disconnect the power cable from the outlet, wait for a while, and connect the power cable again.

## Main unit (CA-UXGN7V)

### Tuner

FM frequency: 87.50 MHz – 108.00 MHz  
 AM frequency (Saudi Arabia):  
     531 kHz – 1 602 kHz (9 kHz spacing)  
     530 kHz – 1 600 kHz (10 kHz spacing)  
 AM frequency (other countries/areas):  
     531 kHz – 1 710 kHz (9 kHz spacing)  
     530 kHz – 1 710 kHz (10 kHz spacing)

### Terminal (top of the main unit)

- Microphone input terminal x 1  
3.0 mV/12 kΩ

### Terminal (front of the main unit)

- USB digital input terminal x 1
- Audio output headphone terminal x 1  
Impedance: 16 Ω – 1 kΩ
- Analog input terminal x 1  
Stereo mini jack

### Terminal (rear of the main unit)

- FM antenna terminal x 1
- AM antenna terminal x 1
- Component video output terminals x 1  
Y: 1.0 Vp-p, 75 Ω terminated  
P<sub>B</sub>: 0.7 Vp-p, 75 Ω terminated  
P<sub>R</sub>: 0.7 Vp-p, 75 Ω terminated
- Composite video output terminal x 1  
1.0 Vp-p, 75 Ω terminated
- Optical digital output terminal x 1  
–21 dBm to –15 dBm
- Audio output speaker terminals x 1  
Speakers:  
    Output power: 160 W (80 W x 2) at 8 Ω  
    (1 kHz/10 % THD)  
    Impedance: 8 Ω – 16 Ω  
Subwoofer:  
    Output power: 500 mV/10 kΩ

### USB

Compatible with USB 2.0 Full-Speed  
 Compatible device: USB mass storage class device  
 Compatible file system: FAT16, FAT32  
 Output power: DC 5 V = 500 mA

### General

Power source (Thailand):  
     AC 220 V ~, 50 Hz  
 Power source (other countries/areas):  
     AC 110 - 240 V ~, 50/60 Hz  
 Power consumption (in operation): 50 W  
 Power consumption (on standby): 9 W  
 Power consumption (in the "ECO ON" mode):  
     1 W or less  
 Dimensions (W x H x D) [including projecting parts]:  
     165 mm x 253 mm x 272 mm  
 Mass: 3.6 kg

## Speaker (SP-UXGN9V)

Type: 3-way bass reflex type  
     Magnetically shielded type  
 Speaker driver: 13.5 cm cone + 4 cm cone +  
     1.5 cm dome  
 Impedance: 8 Ω  
 Dimensions (W x H x D) [including projection parts]:  
     165 mm x 250 mm x 213 mm  
 Mass (1 speaker): 2.4 kg

## Supplied accessories

Remote control x 1  
 Batteries x 2  
 FM antenna x 1  
 AM loop antenna x 1  
 Composite video cable x 1  
 AC plug adaptor\* x 1

### NOTE

\* The AC plug adaptor is not supplied for Saudi Arabia and Thailand.

Designs and specifications are subject to change without notice.

**JVC**

